## **INDEX TO VOLUME 85**

A

AAKHUS, TRYGVE, and SEMB, GUDMUND: Coronary angiography during acetylcholine-induced cardiac arrest in the dog (ab), 85: 787, 1965 AASCHER, A. W.: The delayed effects of renal irradiation (ab), 85: 606, 1965

85: 606, 1965
ABBOTT, A. CLIFFORD: New instrument for operative cholangiography (ab), 85: 185, 1965
ABBOTT, KENNETH H. See LEEDS, NORMAN E.
ABBOTT, OSLER A. See LOGAN, WILLIAM D., Jr.

ABDOMEN See also Pelvis; Pregnancy, ectopic; and under names of organs and structures, as Adrenals; Aorta; Kidneys; Uterus; etc.

acute conditions -radiology in acute abdominal disorders due to Meckel's diverticulum (ab), I. Enge and J. Frimann-Dahl, 85: 184,

blood supply. See also Aneurysm, aortic; Aorta; Venae

Cavae
Cavae
-abnormal communications between splanchnic vessels (ab),
I. Brolin and S. Paulin, 85: 387, 1965
-pre- and postoperative appearances of splanchnic veins in
children with portal hypertension (ab), K. Ekengren
et al., 85: 1142, 1965

ultrasound diagnostic technics in obstetrics and gynecology, (ab), E. Stewart Taylor et al., 85: 395, 1965

diagnosis
—portal venography and pressure measurement at peritoneoscopy (ab), S. Yamamoto and T. B. Reynolds, 85: 588,
1965

sess of lymphography, lymphadenography and color lymphadenography in urology (ab), Elwin E. Fraley et al, 85: 995, 1965

lymph nodes. See Lymph Nodes muscles. See Muscles

reflux in residual ureter (ab), A. W. Bruce and S. A. Awad. 85: 192, 1965

See organs and regions; other subheads tumors

383, 1965 -retroperitoneal germinomas (seminomas) without evidence of testicular involvement (ab), M. R. Abell et al., 85: 1148,

1965
-uses of lymphography, lymphadenography and color lymphadenography in urology (ab), Elwin E. Fraley et al., 85: 995, 1965
-vena cavagrams in infants and children (ab), James E. Allen

et al, 85: 181, 1965

ABELL, M. R., FAYOS, J. V., and LAMPE, I.: Retroperitoneal germinomas (seminomas) without evidence of testicular involvement (ab), 85: 1148, 1965

ABELMANN, WALTER H. See KAWAI, CHUICHI ABNORMALITIES AND DEFORMITIES

See also Monsters; under diseases, organs, and regions
-osseous changes in rubella embryopathy (congenital rubella
syndrome), Jack G. Rabinowitz, Bernard S. Wolf, Elliot I.
Greenberg, and Aaron R. Rausen, 85: 494, 1965

-radiation and congenital malformations (ab), A. B. Brill and
E. H. Forgotson, 85: 1010, 1965

ABORTION

ABORTION

—pelvic angiography in diagnosis of malignant trophoblastic disease (ab). J. P. de V. Hendrickse et al. 85: 189, 1965

ABOUAV, JACOB. See REICH, STANLZY B. ABOUAV, JACOB. See REICH, STANLZY B. ABRAHAMS, E. W., EVANS, C., KNYVETT, A. F., and STRINGER, R. E.: Varicella pneumonia: a possible cause of subsessed and support of the control of th

ACHALASIA. See Si ACHONDROPLASIA

See also Dyschondroplasia —does a striated type of osteopoikilosis exist? (ab), H. G. Claus, 85: 393, 1965

ss: 393, 1965
 —spondyloepiphysial dysplasia tarda: 4 cases in childhood and adolescence, and some considerations regarding platy-spondyly, Nathan Poker, Nathaniel Finby, and Reginald M. Archibald, 85: 474, 1965
 ACHORD, JAMES L. See GERLE, RICHARD D.

amino. See Amino Acids

aminohippuric. See Amino Acids Tannic Acid

ACROMEGALY -pituitary sarcoma: possible consequence of radiation (ab), Arnold H. Greenhouse, 85: 201, 1965 ACTINOMYCIN D

-chemotherapy in trophoblastic diseases (ab), J. I. Brewer et al. 85: 396, 1965

ACTINOMYCOSIS

Vol. 8

AMB

AMI

AM

ANA

ANI

ANI

ANI

ANE

ANI

ANI

ANI

ACTINOMYCOSIS

—guided catheterization of bronchial arteries. Part III:
Nonmalignant pulmonary and mediastinal pathologic
conditions, Manuel Viamonte, fr., Raymond E. Parks, and
William M. Smoak, III, 85: 221. 1955

ADAMANTINOMA. See Tumors, ameloblastoma
ADAMS, JOEL E: Injury to the throwing arm: a study of traumatic changes in the elbow joints of boy baseball players
(ab) 85: 999, 1965

ADAMS, PAUL, fr. See GIROD, DONALD
—See MOLLER, JAMES H.

ADAMS, ROBERT M., PETERSON, MARY, COLLINS,
VINCENT P., HUDGINS, PHILIP T., and GIBBS,
PRISCILLA: Clinically useful calculations of the dose
distribution from multiple radiation sources, 85: 361, 1965

ADRENAL PREPARATIONS
—epinephrine effect in selective renal angiography, Paul C.

-epinephrine effect in selective renal angiography, Paul C. Kahn, 85: 301, 1965

-pharmacoangiographic method for improving nephrophle-bography, Tord B. Olin and Stewart R. Reuter, 85: 1036,

-accelerated senescent changes in adrenal cortex of hamster (ab), F. M. Sahinen and A. L. Soderwall, 85: 1163, 1965 -angiographic analysis of renal vasoconstriction (ab), Michael J. Brody and Harry W. Fischer, 85: 180, 1965

effects of irradiation
—adrenal function in rhesus monkey after total-body xirradiation (ab), R. C. Wolfe and R. E. Bowman, 85:
203, 1965

exposure in rats (ab), J. M. Abdul Hameed and Thomas J. Haley, 85: 407, 1965

Hatey, 85: 407, 1900
tumors
—calcification in liver metastases from neuroblastoma, Paul
Ross, 85: 1074, 1965
—contribution to diagnosis of normal and pathologic adrenal
glands (ab), A. Rehm and H. Haage, 85: 598, 1965

ADRENOCORTICAL PREPARATIONS
—advanal function in rhesus monkey after total-body x-

adrenal function in rhesus monkey after total-body x-irradiation (ab), R. C. Wolfe and R. E. Bowman, 85:

203, 1965

—plasma and adrenal gland corticosterone levels after x-ray exposure in rats (ab), J. M. Abdul Hameed and Thomas J. Haley, 85: 407, 1965

AET (β-Aminoethylisothiourea.Br.HBr)

—protective action of AET upon sodium and water balance in a so-called gastrointestinal radiation syndrome (ab), Zoltan B. Zsebök and Gyöző Petrányi, Jr., 85: 203, 1965

AGE AND AGING

a so-catell gastromesonal ranation syntrome (2014)

AGE AND AGING

See also Old Age; Radiobiology

—age-dependence of strontium retention in rats and mice (ab), Thomas W. Speckman and William P. Norris, 85: 405, 1965

end-differentiation of bone sarcomas in relation to tumor distribution and patient age (ab), Nils P. G. Edling, 85:

(195, 1995)

-variation of strontium metabolism with age in dog (ab),

Clarence F. Decker et al. 85; 405, 1965

OSTINI, CESARE, SESSA, ANGELA, FENAROLI, ALESSANDRO, and CICCARONE, PIETRO ANGELO:

Production of "fatty liver" by x-irradiation (ab), 85;
1865, 1865,

GUSTSSON, MAGNUS H. See D'CRUZ, IVAN A. HRENS, E. H., Jr. See GOLDRICK, R. B.

use in roentgenography. See Bladder, tumors; Brain; roentgenography; Spinal Canal Roentgenography AIR-FLUID LEVEL. See Brain, abscess AITKEN, R. E., KERR, J. L., and LLOYD, H. M.: Primary hyperparathyroidism with osteosclerosis and calcification in articular cartilage (ab), 85: 394, 1965
AKOVBIANTZ, A. See RÜTTIMANN, A. ALBUMIN. See Blood, proteins

ee Blood, proteins ALCOHOLISM

ALCOHOLISM

-iron-59 absorption measurements by whole-body counting: studies in alcoholic cirrhosis, hemochromatosis, and pancreatitis (ab), D. J. Deller, 85: 1158, 1965

ALLCOCK, J. M., and DRAKE, C. G.: Ruptured intracranial aneurysms-role of arterial spasm (ab), 85: 983, 1965

ALLEN, JAMES E., MORSE, THOMAS S., FRYE, THOMAS R., and CLATWORTHY, H. WILLIAM, Jr.: Vena cavagrams in infants and children (ab), 85: 181, 1965

ALLEN, R. PARKER. See LILLARD, RICHARD L.

ALUPECIR. PARKER. See LILLARD, RICHARD L.

ALOPECIR.

ALLT, W. I

dyscephalia mandibulo-oculo-facialis (Hallermann-Streiff syndrome) (ab), D. Hoefnagel and K. Benirschke, 85: 984, 1965

## **INDEX TO VOLUME 85**

A

AAKHUS, TRYGVE, and SEMB, GUDMUND: Coronary angiography during acetylcholine-induced cardiac arrest in the dog (ab), 85: 787, 1965 AASCHER, A. W.: The delayed effects of renal irradiation (ab), 85: 606, 1965

85: 606, 1965
ABBOTT, A. CLIFFORD: New instrument for operative cholangiography (ab), 85: 185, 1965
ABBOTT, KENNETH H. See LEEDS, NORMAN E.
ABBOTT, OSLER A. See LOGAN, WILLIAM D., Jr.

ABDOMEN See also Pelvis; Pregnancy, ectopic; and under names of organs and structures, as Adrenals; Aorta; Kidneys; Uterus; etc.

acute conditions -radiology in acute abdominal disorders due to Meckel's diverticulum (ab), I. Enge and J. Frimann-Dahl, 85: 184,

blood supply. See also Aneurysm, aortic; Aorta; Venae

Cavae
Cavae
-abnormal communications between splanchnic vessels (ab),
I. Brolin and S. Paulin, 85: 387, 1965
-pre- and postoperative appearances of splanchnic veins in
children with portal hypertension (ab), K. Ekengren
et al., 85: 1142, 1965

ultrasound diagnostic technics in obstetrics and gynecology, (ab), E. Stewart Taylor et al., 85: 395, 1965

diagnosis
—portal venography and pressure measurement at peritoneoscopy (ab), S. Yamamoto and T. B. Reynolds, 85: 588,
1965

sess of lymphography, lymphadenography and color lymphadenography in urology (ab), Elwin E. Fraley et al, 85: 995, 1965

lymph nodes. See Lymph Nodes muscles. See Muscles

reflux in residual ureter (ab), A. W. Bruce and S. A. Awad. 85: 192, 1965

See organs and regions; other subheads tumors

383, 1965 -retroperitoneal germinomas (seminomas) without evidence of testicular involvement (ab), M. R. Abell et al., 85: 1148,

1965
-uses of lymphography, lymphadenography and color lymphadenography in urology (ab), Elwin E. Fraley et al., 85: 995, 1965
-vena cavagrams in infants and children (ab), James E. Allen

et al, 85: 181, 1965

ABELL, M. R., FAYOS, J. V., and LAMPE, I.: Retroperitoneal germinomas (seminomas) without evidence of testicular involvement (ab), 85: 1148, 1965

ABELMANN, WALTER H. See KAWAI, CHUICHI ABNORMALITIES AND DEFORMITIES

See also Monsters; under diseases, organs, and regions
-osseous changes in rubella embryopathy (congenital rubella
syndrome), Jack G. Rabinowitz, Bernard S. Wolf, Elliot I.
Greenberg, and Aaron R. Rausen, 85: 494, 1965

-radiation and congenital malformations (ab), A. B. Brill and
E. H. Forgotson, 85: 1010, 1965

ABORTION

ABORTION

—pelvic angiography in diagnosis of malignant trophoblastic disease (ab). J. P. de V. Hendrickse et al. 85: 189, 1965

ABOUAV, JACOB. See REICH, STANLZY B. ABOUAV, JACOB. See REICH, STANLZY B. ABRAHAMS, E. W., EVANS, C., KNYVETT, A. F., and STRINGER, R. E.: Varicella pneumonia: a possible cause of subsessed and support of the control of th

ACHALASIA. See Si ACHONDROPLASIA

See also Dyschondroplasia —does a striated type of osteopoikilosis exist? (ab), H. G. Claus, 85: 393, 1965

ss: 393, 1965
 —spondyloepiphysial dysplasia tarda: 4 cases in childhood and adolescence, and some considerations regarding platy-spondyly, Nathan Poker, Nathaniel Finby, and Reginald M. Archibald, 85: 474, 1965
 ACHORD, JAMES L. See GERLE, RICHARD D.

amino. See Amino Acids

aminohippuric. See Amino Acids Tannic Acid

ACROMEGALY -pituitary sarcoma: possible consequence of radiation (ab), Arnold H. Greenhouse, 85: 201, 1965 ACTINOMYCIN D

-chemotherapy in trophoblastic diseases (ab), J. I. Brewer et al. 85: 396, 1965

ACTINOMYCOSIS

Vol. 8

AMB

AMI

AM

ANA

ANI

ANI

ANI

ANE

ANI

ANI

ANI

ACTINOMYCOSIS

—guided catheterization of bronchial arteries. Part III:
Nonmalignant pulmonary and mediastinal pathologic
conditions, Manuel Viamonte, fr., Raymond E. Parks, and
William M. Smoak, III, 85: 221. 1955

ADAMANTINOMA. See Tumors, ameloblastoma
ADAMS, JOEL E: Injury to the throwing arm: a study of traumatic changes in the elbow joints of boy baseball players
(ab) 85: 999, 1965

ADAMS, PAUL, fr. See GIROD, DONALD
—See MOLLER, JAMES H.

ADAMS, ROBERT M., PETERSON, MARY, COLLINS,
VINCENT P., HUDGINS, PHILIP T., and GIBBS,
PRISCILLA: Clinically useful calculations of the dose
distribution from multiple radiation sources, 85: 361, 1965

ADRENAL PREPARATIONS
—epinephrine effect in selective renal angiography, Paul C.

-epinephrine effect in selective renal angiography, Paul C. Kahn, 85: 301, 1965

-pharmacoangiographic method for improving nephrophle-bography, Tord B. Olin and Stewart R. Reuter, 85: 1036,

-accelerated senescent changes in adrenal cortex of hamster (ab), F. M. Sahinen and A. L. Soderwall, 85: 1163, 1965 -angiographic analysis of renal vasoconstriction (ab), Michael J. Brody and Harry W. Fischer, 85: 180, 1965

effects of irradiation
—adrenal function in rhesus monkey after total-body xirradiation (ab), R. C. Wolfe and R. E. Bowman, 85:
203, 1965

exposure in rats (ab), J. M. Abdul Hameed and Thomas J. Haley, 85: 407, 1965

Hatey, 85: 407, 1900
tumors
—calcification in liver metastases from neuroblastoma, Paul
Ross, 85: 1074, 1965
—contribution to diagnosis of normal and pathologic adrenal
glands (ab), A. Rehm and H. Haage, 85: 598, 1965

ADRENOCORTICAL PREPARATIONS
—advanal function in rhesus monkey after total-body x-

adrenal function in rhesus monkey after total-body x-irradiation (ab), R. C. Wolfe and R. E. Bowman, 85:

203, 1965

—plasma and adrenal gland corticosterone levels after x-ray exposure in rats (ab), J. M. Abdul Hameed and Thomas J. Haley, 85: 407, 1965

AET (β-Aminoethylisothiourea.Br.HBr)

—protective action of AET upon sodium and water balance in a so-called gastrointestinal radiation syndrome (ab), Zoltan B. Zsebök and Gyöző Petrányi, Jr., 85: 203, 1965

AGE AND AGING

a so-catell gastromesonal ranation syntrome (2014)

AGE AND AGING

See also Old Age; Radiobiology

—age-dependence of strontium retention in rats and mice (ab), Thomas W. Speckman and William P. Norris, 85: 405, 1965

end-differentiation of bone sarcomas in relation to tumor distribution and patient age (ab), Nils P. G. Edling, 85:

(195, 1995)

-variation of strontium metabolism with age in dog (ab),

Clarence F. Decker et al. 85; 405, 1965

OSTINI, CESARE, SESSA, ANGELA, FENAROLI, ALESSANDRO, and CICCARONE, PIETRO ANGELO:

Production of "fatty liver" by x-irradiation (ab), 85;
1865, 1865,

GUSTSSON, MAGNUS H. See D'CRUZ, IVAN A. HRENS, E. H., Jr. See GOLDRICK, R. B.

use in roentgenography. See Bladder, tumors; Brain; roentgenography; Spinal Canal Roentgenography AIR-FLUID LEVEL. See Brain, abscess AITKEN, R. E., KERR, J. L., and LLOYD, H. M.: Primary hyperparathyroidism with osteosclerosis and calcification in articular cartilage (ab), 85: 394, 1965
AKOVBIANTZ, A. See RÜTTIMANN, A. ALBUMIN. See Blood, proteins

ee Blood, proteins ALCOHOLISM

ALCOHOLISM

-iron-59 absorption measurements by whole-body counting: studies in alcoholic cirrhosis, hemochromatosis, and pancreatitis (ab), D. J. Deller, 85: 1158, 1965

ALLCOCK, J. M., and DRAKE, C. G.: Ruptured intracranial aneurysms-role of arterial spasm (ab), 85: 983, 1965

ALLEN, JAMES E., MORSE, THOMAS S., FRYE, THOMAS R., and CLATWORTHY, H. WILLIAM, Jr.: Vena cavagrams in infants and children (ab), 85: 181, 1965

ALLEN, R. PARKER. See LILLARD, RICHARD L.

ALUPECIR. PARKER. See LILLARD, RICHARD L.

ALOPECIR.

ALLT, W. I

dyscephalia mandibulo-oculo-facialis (Hallermann-Streiff syndrome) (ab), D. Hoefnagel and K. Benirschke, 85: 984, 1965

(ab),

ewer

logic and

yers

INS,

1 C.

hla

ster 65 hael

85:

ray aul nal

85:

65

5: 5

b).

n:

ry

g:

a l S AMBERG, JOHN R., ELLISON, EDWIN H., WILSON, STUART D., and ZBORALSKE, F. FRANK: Roentgeno-graphic observations in Zollinger-Ellison syndrome (ab), 85: 182, 1965

ZEORALSKE, F. FRANK, and JOHNSON, E. R.: The inclined lateral decubitus position for cholecystography (ab), 85: 592, 1965

AMELOBLASTOMA. See Tumors, ameloblastoma
AMERICAN BOARD OF RADIOLOGY

-examinations, 85: 373, 1965 MERICAN CANCER SOCIETY, 85: 1131, 1965 AMINO ACIDS

AMINO ACIDS

—mino acid excretion in human patients accidentally exposed to large doses of partial-body ionizing radiation (Lockport incident) (ab). Frank M. Ganis et al, 85: 1011, 1965—renal extraction of PAH in man following abdominal aortography. Alan J. Davidson, Herbert L. Abrams, and Thomas A. Stamey. 85: 1043, 1965.

6-AMINOETHYLISOTHIOUREA.Br.HBr. See AET AMINOHIPPURIC ACID. See Amino Acids AMINOHIPPURIC ACID. See Amino Acids AMINOHIPPURIC SEED. See AMINO Expritehard. 85: 1157, 1965.

AMPLATZ, KURT. See GIROD, DONALD—See GRONDIN, CLAUDE
—See KANJUH, VLADIMIR I.
—See LUNDQUIST, CHARLES B.

AMYLOIDOSIS

AMPLOIDOSIS

AMTIOIDOSIS

-primary amyloidosis (ab), James Brown, 85: 599, 1965
AMGNOSTOPOULOS, T. See ANTOINE, B.
ANDERSON, ARTHUR A. See REYELT, WALTER P., Jr.
ANDERSON, C. G.: Large upper lobe veins (ab), 85: 180, 1965
ANDERSON, IAN M., NEWMAN, C. G. H., and URQUHART,
W.: Fallot's tertalogy-some radiological and other findings in the first few years after total correction (ab), 85:

Ings in the first few years after total correction (ab), 83: 991, 1965

ANDERSON, J. B., BARNETT, ELLIS, and NORDIN, B. E. C.:
The relation between osteoporosis and aortic calcification (ab), 85: 594, 1965

ANDERSON, J. C. See BUDHRAJA, S. N.
ANDERSON, RAY C. See GRONDIN, CLAUDE
—See MOLLER, JAMES H.
ANDERSON, ROBERT E., and ISHIDA, KENZO: Malignant lymphoma in survivors of the atomic bomb in Hiroshima (ab), 85: 406, 1965

ANDREWS, J. ROBERT: Dose-time relationships in cancer radiotherapy: a clinical radiobiology study of extremes of dose and time (ab), 85: 803, 1965
—See SWARM, RICHARD L.

See also Hemopoietic System; Radiations, Injurious Effects;

See also Hemopoietic System; Radiations, Injunious Enects; Radiobiology
—simplified combined Fe<sup>59</sup>-Cr<sup>51</sup> method for erythrokinetic in vestigations (ab), Th. Schnider et al, **85**: 197, 1965
hypochromic
—etiology of "sideropenic" web (ab), L. M. Blendis et al, **85**: 985, 1965
sikle-cell

sickle-cell EMIC-UEII
urographic demonstration of renal medullary necrosis in
hemoglobin SA and SC disease, Vernon A. Vix. 85: 320,

ANENCEPHALY. See Brain, absence; Monsters

ANESTHETISTS

-anesthetists' exposure to radiation during radium implantation procedures (ab), Howard A. Trachtenberg and Eliot M. Slater, 85: 1161, 1965

aneurysmal bone cysts. See Bones, cysts

arctic — aneurysms complicating the postoperative course of coarctation of aorta: report of 3 cases (ab), Israel Steinberg et al, 85: 991, 1965 — cineaortographic evaluation of aortic insufficiency: unsuspected idiopathic aneurysmal dilatation of aortic root as possible indication of Marfan syndrome (ab), John S. Barrett et al, 85: 586, 1965 — dissecting aneurysm of aorta in Marfan's syndrome (ab), Erik Boijsen and Per-Olof Weiland, 85: 786, 1965 — dissecting aneurysms of aorta: roentgen manifestations including comparison with other types of aneurysms, William R. Eyler and Max D. Clark, 85: 1947, 1965 — gastrointestinal manifestations of abdominal aortic aneurysms (ab), Fred K. Sondheimer and Israel Steinberg, 85: 392, 1965 arteriovenous. See Fistula, arteriovenous

See Aneurysm, intracranial

acute and chronic cardiac aneurysm (ab), Joseph Gegesy, 85: 583, 1965 -aneurysm of right ventricle caused by selective angiocar-diography (ab), Russell Vandenberg et al, 85: 584,

1965

-demonstration of ventricular aneurysms by radioisotope scanning, David C. Meek, Donald W. Brown, Carlton L. Shmock, and S. Gilbert Blount, Jr. 85: 856, 1905

-left ventricular aneurysms of uncertain etiology (ab), W. A. Pocock et al, 85: 1139, 1965

cerebral. See also Aneurysm, intracranial

-aneurysm of vein of Galen: case report and review of literature (ab), Warren Russell and Thomas H. Newton, 85: 175, 1965

brain scans in non-neoplastic intracranial lesions: scanning with chlormerodrin Hg<sup>33</sup> and chlormerodrin Hg<sup>137</sup> (ab), Marvin C. Overton, III, et al, 85: 1009, 1965
 thermography in diagnosis of cerebrovascular disease, Ernest H. Wood, 85: 270, 1965
 dissecting. See Aneurysm, aortic etiology and pathogenesis
 pathophysiology of subintimal hematoma formation during retrograde arteriography, Gordon J. Gilbert and Gilbert S. Melnick, 85: 306, 1965
 henatic

-isotope encephalography: experience with 100 cases (ab), James W. D. Bull and John Marryat, 85: 1159, 1965 -pathogenesis of cerebral infarction following rupture of cere-bral berry aneurysms (ab), M. R. Crompton, 85: 379,

pre- and postoperative measurements of regional cerebral blood flow in 3 cases of intracranial arteriovenous aneu-rysms (ab), E. Häggendal et al, 85: 983, 1965 -ruptured intracranial aneurysms—role of arterial spasm (ab), J. M. Allcock and C. G. Drake, 85: 983, 1965 upture. See other subheads under Aneurysm

rupture. See other subheads under Aneurysm
ANEURYSMAL BONE CYST. See Bones, cysts
ANGER, HAL O., VAN DYKE, DONALD C., GOTTSCHALK,
A., YANO, Y., and SCHAER, L. R.: Radioisotopes and
radiation in biomedical research: the scintillation camera
in diagnosis and research (ab), 85: 808, 1965

See VAN DYKE, DONALD C. ANGHILERI, LEOPOLDO J.: Uptake of colloidal chromic radiophosphate (P2) by bone and gonads, 85: 938, 1965
ANGINA. See Arteries, mesenteric

See also Angiography; Cardioangiography; Heart; Tricus-pid Valve ANGIOCARDIOGRAPHY

pid Valve

-cardiovascular manifestations of Hurler syndrome: hemodynamic and angiocardiographic observations in 15 patients (ab), L. Jerome Krovetz et al, 85: 989, 1905

apparatus and equipment

-new instruments for catheterization and angiocardiography,
Björn Nordenström, 85: 256, 1965

complications

-angurysm of right ventricle caused by salesting scale

-aneurysm of right ventricle caused by selective angio-cardiography (ab), Russell Vandenberg et al, 85: 584,

1965

effect of angiocardiographic contrast medium on circulatory dynamics in man: cardiac output during angiocardiography (ab), Richard Brown et al, 85: 994, 1965 reflects of angiocardiographic injections on blood viscosity, Peter W. Rand and Eleanor Lacombe, 85: 1022, 1965 rtansient myocardial damage secondary to extravasation of contrast material during left ventricular angiocardiography (ab), Chuichi Kawai and Walter H. Abelmann, 85: 584, 1965

intravenous angiocardiography, abdominal aortography, and peripheral arteriography with single arm pressure injec-tion (ab), Israel Steinberg and Harry L. Stein, 85: 180,

GIOGRAPHY

See also Aneurysm; Angiocardiography; Aortography; Cardioangiography; Blood, circulation; Thrombosis; under organs and regions, as Arteries; Blood Vessels; Brain; Cardiovascular System; Coronary Vessels; Extremities, blood supply; Head; Heart; Kidneys; Lungs, Pelvis, blood supply; Head; Heart; Kidneys; Lungs, Pelvis, blood supply; Thyroid; Veins; Venae Cavae; etc; and for experimental work under Radiobiology—current concepts in angiographic diagnosis, postgraduate course, Cleveland Clinic Foundation, 85: 1130, 1965—encyclopedia of medical radiology. Vol. 10: Roentgen diagnosis of the heart and blood vessels (bk rev), ed. by O. Olsson, F. Strnad, H. Vieten, and A. Zuppinger, 85: 973, 1965

1965

-evaluation of various angiographic methods in study of tumors of female genital organs (ab), R. de Dominicis et al, 85: 1902, 1965

-progress in angiography (bk rev), ed. by Manuel Viamonte, Jr., and Raymond E. Parks, 85: 375, 1965

apparatus and equipment

-bilateral aorto-ilio-femoral arteriography via unilateral common femoral artery needle (ab), Marvin J. Friedenberg and Erik Carlsson, 85: 786, 1965

-new instrumentation for cerebral microangiography, Norman E. Chase, William K. Hass, and Irvin I. Kricheff, 85: 736, 1965

-new instruments for catheterization and angiocardiography

new instruments for catheterization and angiocardiography, Björn Nordenström, 85: 256, 1965

Björn Nordenström, 85: 25b, 1965 complications
—cardiopulmonary response to injection of angiographic contrast medium (ab), J. L. Sawyers et al, 85: 179, 1965 —clinical evaluation of side-effects of radiopaque contrast media administered via intravenous and intra-arterial routes in same patient: preliminary report, Erich K. Lang, 85: 666, 1965

ANGIOGRAPHY, complications—cont.

-comparative blood pressure changes in angiography with meglumine iothalamate 60 per cent (60 per cent Conray) and 50 per cent sodium diatrizoate (50 per cent Hypaque), Joseph Pen-Tze Lin, Irvin I. Kricheff, and Norman E. Chase, 85: 1033, 1965

-complications of angiography in cerebrovascular disease, H. F. W. Pribram, 85: 33, 1965

-effect of concentrated contrast media during angiography on plasma volume and plasma osmolality (ab), Lloyd T. Iseri et al, 85: 995, 1965

-experimental coronary arteriography. III. Injuries associated with selective coronary arteriography. Robert M.

experimental coronary arteriography. III. Injuries asso-ciated with selective coronary arteriography, Robert M. Lowman and Colin M. Bloor, 85: 645, 1965 - Pathophysiology of subintimal hematoma formation during retrograde arteriography, Gordon J. Gilbert and Gilbert S. Melnick, 85: 308, 1965 - renal function judged with radioactive Diodrast after selec-tive renal angiography in dogs (ab), B. Bpdforss et al, 85: 398, 1965 - retinal embolism as complication.

85: 398, 1965
-retinal embolism as complication of angiography: possible role of platelet and cholesterol emboli (ab), H. F. W. Pribram and C. M. Couves, 85: 985, 1965
-toxicity of sodium and methylglucamine salts of diatrizoate, iothalamate, and metrizoate: experimental study of their circulatory effects following intracarotid injection, Harry W. Fischer and Steven H. Cornell, 85: 1013, 1965
-transverse myelitis following selective bronchial arteriography, Howard H. Feigelson and Herbert A. Ravin, 85: 663, 1965

raphy, Ho 663, 1965

raphy, Howard H. Feigelson and Herbert A. Karringer, 1963, 1965
technic. See also Brain, blood supply; Coronary Vessels, roentgenography; other subheads under Angiography angiographic artefacts which simulate or mask abnormality (ab), Walter W. Herbert, 85: 180, 1965.
capnohepatography; intravenous retrograde gas angiography of liver veins with carbon dioxide, Karl T. Dockray, Robert R. Burns, and John Moore, 85: 740, 1965.
contribution to diagnosis of normal and pathologic adrenal glands (ab), A. Rehm and H. Haage, 85: 398, 1965.
four-vessel angiography: experiences with 300 consecutive cases (ab), E. Stephens Gurdjian et al, 85: 171, 1965.
improved method for experimental angiography (ab), Jan Ekholm et al, 85: 388, 1965.
improved puncture technic for cerebral angiography: pre-liminary report (ab), Ingemar Bergstrand, 85: 379, 1965.

intrathoracic hyperpressure in neuroradiology: results in (1)

-intrathoracic hyperpressure in neuroradiology: results in (1) cerebral pan-angiography and (2) arteriography of thoracocervical region (ab), José Zaclis et al, 85: 576, 1965 – new method of percutaneous catheterization, Donald T. Desilets and Richard Hoffman, 85: 147, 1965 – percutaneous transaxillary selective coronary angiography, William Weidner, Rex MacAlpin, William Hanafee, and Albert Kattus, 85: 652, 1965 – technic of aortocervical angiography (ab), B. Liliequist and and L. Hellström, 85: 786, 1965 – vertebral arteriography, evaluation of methods, James H. - vertebral arteriography, evaluation of methods. James H.

and L. Hellström, 85: 786, 1965

-vertebral arteriography: evaluation of methods, James H. Scatliff, Mark M. Mishkin and Ivan Hyde, 85: 14, 1965

-wedge pulmonary arteriography in congenital heart disease, Agustin Castellanos, Francisco A. Hernandez, and Heriberto G. Mercado, 85: 838, 1965

ANGIOMA. See Tumors, angioma

ANGIOMATOSIS. See Tumors, angioma

ANGIOTENSIN. See Blood, plasma

ANKLE

—radiographic analysis of major foot deformities (ab), Gordon W. Ritchie and Hugo A. Keim, 85: 188, 1965
ANLYAN, WILLIAM G. See FLEMMA, ROBERT J.
—See THOMPSON, L. K., III.
ANSUSINHA, TAMNIT. See BJÖRK, LARS
ANTIBIOTICS
antibiotic theory.

ANTIBIOTICS

—antibiotic therapy after exposure to x rays (ab), Walter Krasavage and Sol M. Michaelson, 85: 202, 196:5

—prognosis of acute hematogenous osteomyelitis and its complications during early inflancy after advent of antibiotics (ab), Bo Lindblad et al. 85: 792, 196:5

ANTICHOLIBERGIC DRUG. See Intestines, roentgenography ANTICOAGULANTS. See Radiobiology, cardiovascular studies ANTOINE, B., ANAGNOSTOPOULOS, T. WATCHI, J. M., and PARIENTY, R.: Precalyceal canalicular ectasia: a study based on 21 cases of Cacchi and Ricci disease (the so-called sponge kidneys) (ab), 85: 398, 1965

ANUS

defecography or anorectal studies in children including cinefluorographic observations (ab), B. St. J. Brown, 85: 1145, 1965

-indications for high-speed electron therapy (ab), P. M. Van Vaerenbergh and K. Schelstraete, 85: 403, 1965

See also Aneurysm; Aortic Valve; Aortography

-x-ray microscopic study of vasa vasorum of normal human ascending aorta (ab), John A. Clarke, 85: 991, 1965 abnormalities

aberrant right subclavian artery: dispute of commonly accepted concepts (ab), John W. Beabout et al, 85: 179, 1965

-cineaortographic evaluation of aortic insufficiency; unsus-pected idiopathic aneurysmal dilatation of aortic root as possible indication of Marfan syndrome (ab), John S. Barrett et al, 85: 586, 1965

diagnosis of corrected transposition of great vessels (ab), Geoffrey H. Watson, 85: 385, 1965
 roentgenographic features in cases with origin of both great vessels from right ventricle without pulmonary stenosis (ab), Lewis S. Carey and Jesse E. Edwards, 85: 989, 1965
 subvalvar aortic jet, Charles B. Lundquist and Kurt Amplatz, 85: 635, 1965
 total anomalous pulmonary venous drainage into left innominate vein associated with transposition of great vessels (ab), William Whitaker et al, 85: 584, 1965
 aneurysm. See Aneurysm calcification
 relation between osteoporosis and agric calcification

relation between osteoporosis and aortic calcification (ab), J. B. Anderson et al, 85: 594, 1965 oarctation. See Aorta, stricture

-pathophysiology of subintimal hematoma formation during retrograde arteriography, Gordon J. Gilbert and Gilbert S. Melnick, 85: 306, 1965 insufficiency

sunciency aortic stenosis: clinical study of aortic stenosis, isolated or combined with aortic insufficiency, with special reference to hemodynamic and angiocardiographic observations (ab), Ingemar Cullhed, 85: 1140, 1965 obstruction

-meandering mesenteric artery of colon (ab), Myron Mosko-witz et al, 85: 392, 1965 pentgenography. See Aortography tricture. See also Aortic Valve

ricture. See also Aortic Valve
-aneurysms complicating the postoperative course of coarctation of aorta: report of 3 cases (ab), Israel Steinberg et
al, 85: 991, 1965
-aortic stenosis: clinical study of aortic stenosis, isolated or
combined with aortic insufficiency, with special reference
to hemodynamic and angiocardiographic observations
(ab), Ingemar Cullhed, 85: 1140, 1965
-coarctation of aorta in infancy: detection on chest radiographs, James E. Garman, Robert E. Hinson, and William
R. Eyler, 85: 418, 1965
-durability of aorto-iliac endarteriectomy: roentgenologic
and pathologic study of late recurrence (ab), D. Emerick
Szilagyi et al, 85: 386, 1965

-durability

surgery argery -durability of aorto-iliac endarteriectomy: roentgenologic and pathologic study of late recurrence (ab), D. Emerick Szilagyi et al, 85: 386, 1965

tumors -malignant extra-adrenal pheochromocytoma (ab), Lars R. Holsti, 85: 601, 1965

Hoisti, 85: 601, 1965
wounds and injuries
—acute traumatic rupture of thoracic aorta demonstrated by
retrograde aortography, James V. Blazek, 85: 253, 1965
—experimental coronary arteriography. III. Injuries associated with selective coronary arteriography, Robert M.
Lowman and Colin M. Bloor, 85: 645, 1965

AORTIC VALVE

calcification of heart (ab), R. Brian Holmes, 85: 583, 1965

insufficiency

nsufficiency
—aortic stenosis: clinical study of aortic stenosis, isolated or
combined with aortic insufficiency, with special reference
to hemodynamic and angiocardiographic observations
(ab), Ingemar Cullhed, 85: 1140, 1965
—cineaortographic evaluation of aortic insufficiency: unsuspected idiopathic aneurysmal dilatation of aortic root
as possible indication of Marfan syndrome (ab), John S.
Barrett et al, 85: 586, 1965
—factitious aortic regurgitation: report of case (ab), Rashid
A. Massumi, 85: 586, 1965

—cineangiographic study of aortic valve dynamics (ab), Edward B. Raftery, 85: 1140, 1965
steposis. See Aortic Valve, stricture

tricture

-angiocardiographic findings in idiopathic myocardial hypertrophy with right and left ventricular outflow tract obrophy with right and left ventricular outflow tract obactic stenosis: clinical study of acrtic stenosis, isolated or
combined with acrtic insufficiency, with special reference
to hemodynamic and angiocardiographic observations
(ab), Ingemar Cullhed, 85: 1140, 1965

-idiopathic hypertrophic subacrtic stenosis (ab), Eugene
Braunwald et al, 85: 384, 1965

-subvalvar acrtic jet, Charles B. Lundquist and Kurt Amplatz, 85: 635, 1965

-supravalvular acrtic stenosis: underdevelopment and

-idiopathic

-supravalvular aortic stenosis: underdevelopment and characteristic facies (ab), Cyrus Farrehi et al., 85: 178,

transient myocardial damage secondary to extravasation of contrast material during left ventricular angiocardio-graphy (ab), Chuichi Kawai and Walter H. Abelmann, 85: 584, 1965

wounds and injuries

experimental core perimental coronary arteriography. III. Injuries associated with selective coronary arteriography, Robert M. Lowman and Colin M. Bloor, 85: 645, 1965

AORTOGRAPHY

See also Aneurysm; Aorta; Aortic Valve; Kidneys; etc. complications

complications of aortography (ab), Bruce A. Kottke et al, 85: 587, 1965

-path -rena ac techni -bila b-cine

Vol. 85

AORTO

B -intr -tecl

SI

APPLIC See-role cysts age

ARCIL! ARDR ARINI, -dv

ARRH

-pi brack-d

—р -t

car

(ab)

1965 Am

ssels

ab).

pert lor nce

ko.

am

R

AORTOGRAPHY, complications—cont.

-pathophysiology of subintimal hematoma formation during retrograde arteriography, Gordon J. Gilbert and Gilbert S. Melnick, 85: 306, 1965

-renal extraction of PAH in man following abdominal aortography, Alan J. Davidson, Herbert L. Abrams, and Thomas A. Stamey, 85: 1043, 1965

dechnic

-bilateral aorto-ilio-femoral arteriography via unilateral common femoral artery needle (ab), Marvin J. Frieden berg and Erik Carlsson, 85: 786, 1965

-cineaortographic evaluation of aortic insufficiency: unsuspected idiopathic aneurysmal dilatation of aortic root as possible indication of Marfan syndrome (ab), John S. Barrett et al, 85: 586, 1965

-intravenous angiocardiography, abdominal aortography, and peripheral arteriography with single arm pressure injection (ab), Israel Steinberg and Harry L. Stein, 85: 180, 1995 and peripheral arteriography with single arm pressure injection (ab), Israel Steinberg and Harry L. Stein, 85: 180, 1965.

-technic of aortocervical angiography (ab), B. Liliequist and L. Hellström, 85: 786, 1965.

APPLICATORS. See Mouth, leukoplakia; Tumors, angioma ARACHNOID -intravenous

RACHNOID

See also Meninges

-role of transverse arachnoidal membrane within interpeduncular cistern in passage of Pantopaque into cranial cavity. Bernard S. Epstein, 85: 914, 1965

-agenesis of corpus callosum associated with interhemi-spheric arachnoid cyst (ab), L. Zingesser et al, 85: 576,

ARCHLAALD, REGINALD M. See POKER, NATHAN ARCILLA, RENE A. See D'CRUZ, IVAN A. ARDRAN, G. M.: Value of cineradiography in medicine (ab), 85: 400, 1965
ARINI, E. See HOLMBERG, E. A. D.

See also Elbow; Extremities; Humerus; etc.

abnormalities

Donomaines

dyschondrostéose (Léri-Weill syndrome): congenital short
forearms, Madelung-type wrist deformities, and moderate
dwarfism. Walter E. Berdon, Herman Grossman, and
David H. Baker, 85: 677, 1965

ARRHYTHMIA

—cardiac output by external radioisotope counting in patients reverted from atrial fibrillation (ab), Abraham A. Polachek et al, 85: 805, 1965

—pulmonary edema following treatment of arrhythmias by direct-current shock (ab), Leon Resnekov and Lawson McDonald, 85: 1137, 1965

ARTEFACTS. See Angiography

ARTERIES

See also Ananyom: Andioisotope counting in patients

See also Ananyom: Andioisotope counting in patients

—cardiac output by external radioisotope counting in patients

—cardiac output by external radioisoto ARRHYTHMIA

See also Aneurysm; Angiography; Arteriosclerosis; Embolism; Radiobiology; Thrombosis; and under organs and regions, as Aorta; Brain; Cardiovascular System; Coronary Vessels; Lungs; etc. silar. See also Thrombosis

basilar.

MBHIAT. See also Intombosss -observations on variatale relationship of carotid and verte-bral circulation (ab), John E. Whiteleather and M. M. Keirns. 85: 175, 1965 -persistence of primitive trigeminal artery: abnormal caro-tid-basilar anastomosis (ab), P. Buffard et al, 85: 780,

orachial
 dynamics of collateral circulation in patients with subclavian steal (ab), Robert J. Marshall and Emil L. Mantini, 85: 993, 1995.
 percutaneous retrograde brachial angiography in diagnosis of acoustic neurinoma: results in 4 cases (ab), John A. Goree et al, 85: 172, 1965.

subclavian steal in patients with Blalock-Taussig anastomo-sis (ab), Gordon M. Folger, Jr., and Kishor D. Shah, 85: sis (ab), 0 993, 1965

-technic and value of percutaneous transbrachial cerebral angiography (ab), S. Wende and V. Taenzer, 85: 983, 1965

brachiocephalic. See Arteries, innominate

bronchial Technical catheterization of bronchial arteries. Parts I-III: Technical considerations, Manuel Viamonte, Jr., Raymond E. Parks, and William M. Smoak, III, 85: 205; 214; 221, 1965

-selective bronchial arteriography (ab), R. Schober, 85: 179, 1965

transverse myelitis following selective bronchial arteriog-raphy, Howard H. Feilgelson and Herbert A. Ravin, 85: 663, 1965

-collateral circulation in cerebrovascular disease in childhood via rete mirabile and perforating branches of anterior choroidal and posterior cerebral arteries, Norman E. Leeds and Kenneth H. Abbott, 85: 628, 1965

-observations on variable relationship of carotid and vert bral circulation (ab), John E. Whiteleather and M. M Keirns, 85: 175, 1965

ersistence of primitive trigeminal artery: abnormal caro-tid-basilar anastomosis (ab), P. Buffard et al, 85: 780,

-thermography in diagnosis of cerebrovascular disease, Ernest H. Wood, 85: 270, 1965

—venous angiogram: frequently overlooked phase of carotid angiography (ab), Hillier L. Baker, Jr., 85: 174, 1965 celiac

ellac—arteriovenography of portal system (ab), Louis Kreel and Roger Williams, 85: 588, 1965—demonstration of intra-abdominal bleeding by selective arteriography: visualization of celiac and superior mesenteric arteries (ab), Moreye Nusbaum et al, 85: 997,

1965
-extrinsic pressure defects on duodenal loop in mesenteric occlusive disease, Stanley Baum, George N. Stein, and Arthur Baue, 85: 866, 1965
-gastrointestinal angina: discussion with report of case (ab), Charles D. Hafner et al, 85: 184, 1965
-indications for selective celiac and superior mesenteric angiography; experience with 128 cases (ab), R. A. Nebesar et al, 85: 387, 1965

ography: experience with 128 cases (ab), R. A. Nebesar et al, 85: 387, 1965

- meandering mesenteric artery of colon (ab), Myron Moskowitz et al, 85: 392, 1965

- pancreatic angiography, with application of subselective angiography of celiac or superior mesenteric artery to diagnosis of carcinoma of pancreas (ab), Robert E. Paul, Jr., et al, 85: 997, 1965

- selective hepatic arteriography: normal anatomy, anatomic variations, and pathological conditions, H. Jerome Stulberg and Howard R. Bierman, 85: 46, 1905

- stenosis of celiac artery, Stewart R. Reuter and Tord Olin, 85: 617, 1965

- value of selective arteriography in demonstrating portal and splenic vein patency following nonvisualization by splenoportography, Klaus M. Bron, Francis C. Jackson, Jordan Haller, E. Perez-Stable, Howard B. Eisen, and Sam Poller, 85: 48, 1965

cephalobrachial. See Arteries, innominate cerebral

-changes in anterior choroidal artery in intracranial lesions (ab), Marjorie J. LeMay and David M. Jackson, 85: 171,

collateral circulation in cerebrovascular disease in childhood via rete mirabile and perforating branches of anterior choroidal and posterior cerebral arteries, Norman E. Leeds and Kenneth H. Abbott, 85: 628, 1965

—meandering mesenteric artery of colon (ab), Myron Mosko-witz et al., **85**: 392, 1965 coronary. See Coronary Vessels

femoral
—arthography and arteriography in pigmented villonodular
synovitis of knee (ab), Burton I. Rein et al, 85: 596, 1965
—bilateral aorto-lifo-femoral arteriography via unilateral
common femoral artery needle (ab), Marvin J. Friedenberg and Erik Carlsson, 85: 786, 1965
hepatic. See also Liver
—hepatic outflow occlusion during hepatic artery infusion with
chemotherapeutic agents (ab), Louis M. Rousselot et al,
85: 787, 1965
—pre- and postoperative appearances of salenchnic veins in

re- and postoperative appearances of splanchnic veins in children with portal hypertension (ab), K. Ekengren et al, 85: 1142, 1965

7 142, 1905 reconstruction of hepatic artery: case report, L. G. Thorley, L. S. Figiel, S. J. Figiel and D. K. Rush, 85: 56, 1965

selective hepatic arteriography: normal anatomy, anatomic variations, and pathological conditions, H. Jerome Stulberg and Howard R. Bierman, 85: 46, 1965

iliac
 bilateral aorto-ilio-femoral arteriography via unilateral common femoral artery needle (ab), Marvin J. Friedenberg and Erik Carlsson, 85: 786, 1965
 durability of aorto-iliac endarteriectomy: roentgenologic and pathologic study of late recurrence (ab), D. Emerick Szilagyi et al, 85: 386, 1965
 inflammation. See Arteries, cerebral

innominate

congenital variations in cephalobrachial vessels in aneu-cephaly (ab), Bernard S. Epstein and Paul Kolker, 85: 983, 1965

intercostal

transverse myelitis following selective bronchial arteriography, Howard H. Feigelson and Herbert A. Ravin, 85: 663, 1965

leptomeningeal
—giant cell (cranial) arteritis: case with angiographic abnormalities (ab), Vincent C. Hinck et al, 85: 171, 1965

mesenteric

nesenteric
—abnormal communications between splanchnic vessels (ab),
I. Brolin and S. Paulin, 85: 387, 1965
—arteriovenography of portal system (ab), Louis Kreel and
Roger Williams, 85: 588, 1965
—demonstration of intra-abdominal bleeding by selective
arteriography: visualization of celiac and superior mesenteric arteries (ab), Moreye Nusbaum et al, 85: 997, 1965

ARTERIES, mesenteric-

extrinsic pressure defects on duodenal loop in mesenteric occlusive disease, Stanley Baum, George N. Stein, and Arthur Baue, 85: 866, 1965

85: 617, 1965
aperior mesenteric arteriography in experimental mesenteric renous thrombosis. Marvin J. Friedenberg, Hiram C. Polk, Jr., William H. McAlister and Stephen J. Schochat,

teric venous the Polk, Ir., William H. McAlister and Stephen. 2.

85: 38, 1965

-value of selective arteriography in demonstrating portal and splenic vein patency following nonvisualization by splenoportography, Klaus M. Bron, Francis C. Jackson, Jordan Haller, E. Perez-Stable, Howard B. Eisen, and Sam Poller, 85: 448, 1965

angiographic study of course of opthalmic artery in normal and pathological conditions (ab), R. de Raad, 85: 379, 1965

pulmonary. Sec Thrombosis See also Embolism; Lungs, blood supply;

Thrombosis—anomalous origin of left coronary artery from pulmonary artery: angiographic and pathologic study of case (ab), Harry L. Stein et al, 85: 992, 1965—congenital absence versus acquired attenuation of one pulmonary artery (ab), Rashid A. Massumi and Robert F. Donohoe, 85: 1141, 1965—coronary arteriography with simultaneous injection of contrast material through two catheters (ab), H. Gremmel, 85: 992, 1965

85: 992, 1965

diagnosis of corrected transposition of great vessels (ab),
Geoffrey H. Watson, 85: 385, 1965

dilatation of pulmonary trunk in stenosis of pulmonary valve

and of pulmonary arteries in children (ab), Ivan A. D'Cruz et al, 85: 386, 1965 guided catheterization of bronchial arteries. Part III: Non

—guided catheterization of bronchial arteries. Part III: Non malignant pulmonary and mediastinal pathologic conditions, Manuel Viamonte, Jr., Raymond E. Parks, and William M. Smoak, III, 85: 221, 1965

—post-valvular stenosis of pulmonary artery and its branches (ab), Samuel Oran et al, 85: 386, 1965

—primary mesenchymoma of pulmonary artery: radiological features (ab), J. Munk et al, 85: 993, 1965

—pulmonary artery stenosis: diagnostic and therapeutic considerations (ab), J. Gerard Mudd et al, 85: 992, 1965

—roentgenographic features in cases with origin of both great vessels from right ventricle without pulmonary stenosis (ab), Lewis S. Carey and Jesse E. Edwards, 85: 989, 1965

—systemic atterial/pulmonary arterial communication in case of Fallot's pentalogy (ab), Attila Árvay et al, 85: 1142,

Fallot's pentalogy (ab), Attila Árvay et al, 85: 1142,

1965

-total anomalous pulmonary venous drainage into left innominate vein associated with transposition of great vessels (ab), William Whitaker et al, 85: 584, 1965

-wedge pulmonary arteriography in congenital heart disease, Agustin Castellanos, Francisco A. Hernandez, and Heriberto G. Mercado, 85: 838, 1965

renal. See also Fistula, arteriovenous
-angiography and renal trauma (ab), E. Maranta and A. Schnauder, 85: 192, 1965

-complications of aortography (ab), Bruce A. Kottke et al, 85: 587, 1965

-curable hypertension due to renal artery lesions (ab), A. J.

85: 587, 1965
curable hypertension due to renal artery lesions (ab), A. J. Palubinskas et al. 85: 199, 1965
epinephrine effect in selective renal angiography, Paul C. Kahn. 85: 301, 1965
is renal artery stenosis a causal factor for urinary calculi? (ab), W. Vahlensieck and H.-J. Maurer, 85: 1148, 1965
major segmental renal arterial constriction: experimental study in the dog, Robert Shapiro, John Doppman, Richard Cobb, and John J. Kneisel, 85: 462, 1965
renal arteriography in hydronephrosis; its value in diagnosis and management, Stanley S. Siegelman and Morton A. Bosniak, 85: 609, 1965
selective renal angiography
(ab), Robert S. Hotchkiss and B. P. Sammons, 85: 1003, 1965
retinal. See Embolism

B. P. Sammous, S. .

retinal. See Embolism
spaam. See Brain, blood supply
splanchnic. See Abdomen, blood supply; Arteries, mesenteric
splanchnic. See Abdomen, blood supply; Arteries, as Arteries,

subclavian

-aberrant right subclavian artery: dispute of commonly accepted concepts (ab), John W. Beabout et al, 85: 179,

-dynamics of collateral circulation in patients with subclavian steal (ab), Robert J. Marshall and Emil L. Mantini, 85: 993, 1965

-subclavian steal in patients with Blalock-Taussig anastomosis (ab), Gordon M. Folger, Jr., and Kishor D. Shah, 85:

suprarenal

uprarenal
-abnormal communications between splanchnic vessels (ab),
I. Brolin and S. Paulin, 85: 387, 1965
-contribution to diagnosis of normal and pathologic adrenal
glands (ab), A. Rehm and H. Haage, 85: 598, 1965

Igeminal --persistence of primitive trigeminal artery: abnormal carotid-basilar anastomosis (ab), P. Buffard et al, 85: 780, 1965-primitive trigeminal artery as seen angiographically and at postmortem examination (ab), Gertraud Wollschlaeger and Paul B. Wollschlaeger, 85: 171, 1965

-dynamics of collateral circulation in patients with subclavian steal (ab), Robert J. Marshall and Emil L. Mantini, 85: 993, 1965

-observations on variable relationship of carotid and verte-bral circulation (ab), John E. Whiteleather and M. M. Keirns, 85: 175, 1965 -subclavian steal in patients with Blalock-Taussig anastomo-sis (ab), Gordon M. Folger, Jr., and Kishor D. Shah, 85: 993 1965.

sis (ab), Gordon M. Folger, Jr., and Kisnor D. Snah, 55:
993, 1965

-vertebral arteriography: evaluation of methods, James H.
Scatliff, Mark M. Mishkin and Ivan Hyde, 85: 14, 1965

ARTERIOGRAPHY. See Angiography: Angiocardiography;
and under diseases, organs and regions, as Aneurysm;
Arteries; Extremities, blood supply; Kidneys; Pelvis;

ARTERIOSCLEROSIS

durability of aorto-iliac endarteriectomy: roentgenologic and pathologic study of late recurrence (ab), D. Emerick Szilagyi et al. 85: 386, 1965

-extrinsic pressure defects on duodenal loop in mesenteric occlusive disease, Stanley Baum, George N. Stein, and Arthur Baue, 85: 866, 1965

-frequency of extracranial cerebrovascular disease in patients with chronic psychosis (ab), Lester R. Bryant et al, 85: 780, 1965

-thermography in diagnosis of cerebrovascular disease, Ernest H. Wood, 85: 270, 1965

- rusul, 65. 210, 1905

- transluminal treatment of arteriosclerotic obstruction:
description of new technic and preliminary report of its
application (ab), Charles T. Dotter and Melvin P. Judkins, 85: 388, 1905

RTERIOVENOGRAPHY. See Portal Vein

ARTERITIS. See Arteries, cerebral
ARTHRITIS

also Arthritis, Rheumatoid; Spine, ankylosis; arthritis;

-primary articular-cartilage calcification with arthritis (pseudogout syndrome) (ab), Warner D. Bundens, Jr. et al, 85: 793, 1965

ARTHRITIS, RHEUMATOID complications and sequels
—backward luxation of atlas: report of case (ab), A. Verjaa and N. C. Harder, 85: 1136, 1965 diagnosis

riliest roentgenological changes in polyarthritis of rheuma-toid type: rheumatoid arthritis, Flemming Nørgaard, 85: 325, 1965

ÁRVAY, ATTILA, CSÁKÁNY, GYÖRGY, and TOMORY, EMILIA: Systemic arterial/pulmonary arterial com-munication in a case of Fallot's pentalogy (ab), 85: 1142,

ASBESTOSIS. See Pneumoconiosis
ASBESTOSIS. See Pneumoconiosis
ASCANIO, GUIDO. See PETERSEN, K. OSTERGAARD
ASHAWA, JAMES K. See HAYMOND, HERMAN R.
ASHLEY, FRANKLIN L. See SLOAN, ROBERT F.
ASHTON, THOMAS, and ZAMECNIK, JIRI: Dependence of
build-up ratio on the field size and the source-surface distance, 88: 956, 1965
ASPIN, N.: Connadal x-ray dose to children from diagnostic
radiographic technics, 85: 944, 1965
ASTROBLASTOMA. See Tumors, astroblastoma
ATELECTASIS. See Lungs, collapse
ATKINS, HAROLD L., SEAMAN, WILLIAM B., JACOX,
HAROLD W., and MATTEO, RICHARD S.: Experience
with hyperbaric oxygenation in clinical radiotherapy (ab),
85: 1154, 1965
ATKINSON, R. JAMES. See CRUMMY, ANDREW, B., Jr.

ATKINSON, R. JAMES. See CRUMMY, ANDREW, B., Jr. ATLAS and AXIS

AAS and AXIS
See also Platybasia; Spine
-atlanto-axial joint: roentgenographic and anatomical study
of normal and abnormal motion (ab), Mason Hohl and
H. R. Baker, 85: 578, 1965 abnormalities

occipital dysplasia in infancy: early recognition of cranio-vertebral abnormalities, E. Kruyff, 85: 501, 1965 dislocation

Islocation
-backward luxation of atlas: report of case (ab), A. Verjaal
and N. C. Harder, 85: 1136, 1965
-"hangman's fracture" of cervical spine (ab), Richard C.
Schneider et al, 85: 985, 1995

irrac -mali ATRIOV AUDITO AURELI AUTOM

Vol. 85

ATOMIC

AUTOR AWARI -Day

> BACKA -lumba

> BACTE mono —effe BAERT

> BAGH BAGSI

BAILA RAKE BAKE BAKE

---p

BARE

BARE

BART BART BART BART BASI BASI BATE

BATI

vian , 85:

om

(ab) enal otidd at

85

85:

hy;

st

s;

ATOMIC BOMB and ATOMIC ENERGY
—irradiation leukemogenesis (ab), John S. Lawrence, 85: 606,

malignant lymphoma in survivors of atomic bomb in Hiro-shima (ab), Robert E. Anderson and Kenzo Ishida, 85: 406, 1965

smma (ab), Robert E. Anderson and Kenzo Ishida, 85:
406; 1965
ATRIOVENTRICULAR CANAL. See Heart
AUDITORY CANAL. See Ear, internal
AURELIUS, GÖRAN. See LINDBLAD, BO
AUTOMOBILES. See Aorta, wounds and injuries; Spine, fractures
AUTOPSIES. See Arteries, trigeminal
AUTORADIOGRAPHY. See under specific radioisotopes, as
Radiocalcium; Radiocarbon; Radioiodine; Radiophosphorus; Radiosulfur
AWAD, S. A. See BRUCE, A. W.
AWARDS
—David-Anderson, Remains and Kenzon, Remains Re

—David-Anderson-Berry Medal (1966) for recent work on effects of x rays and other forms of radiation on living tissues, 85: 1131, 1965

RACKACHE

BACKACHE—
-lumbar back pain arising from stress fractures of lower ribs:
report of 4 cases (ab), David B. Horner, 85: 187, 1965
BACKWASH ILEITIS. See Intestines, diseases
BACLESSE, FRANCOIS: Five-year results in 431 breast cancers treated solely by roentgen rays (ab), 85: 799, 1965
PACTEDIA

ACTERIA
monocytogenes
—effect of chronic gamma radiation on airborne infection of
mice with Listeria monocytogenes (ab), R. H. Stewart et al,

mice with Listeria monocytogenes (ab), R. H. Stewart et al, 88: 810, 1965
BAERT, A. See WELLENS, P.
BAGGISH, M. S. See McAFEE, J. G.
BAGHDASSARIAN, OLGA M., and VANHOUTTE, JOHN J.:
Water-soluble contrast media in the roentgenographic diagnosis of hypertrophic pyloric stenosis in infants, 85: 689, 1965

HAW, MALCOLM A., KAPLAN, HENRY S., and SAGERMAN, ROBERT H.: Linear accelerator supervoltage radiotherapy. VII. Carcinoma of the prostate, 85: 121, 1965

voltage radiotherapy. VII. Carcinoma of the prostate, 85: 121, 1965
—See INGOLD, JOHN A.
—See SAGERMAN, ROBERT H.
BAILAR, JOHN C., III. See KOHN, HENRY I.
BAKER, DAVID H. See BERDON, WALTER E.
—See GROSSMAN, HERMAN
BAKER, H. R. See HOHL, MASON
BAKER, H. ILLIER L., Jr.: Venous angiogram: a frequently overlooked phase of carotid angiography (ab), 85: 174, 1965

BAKER, S. J. See PATERSON, D. E.
BALASSANIAN, NERON. See MELHEM, RAFIC E.
BALL, P. J. A. See POCOCK, W. A.
BALLANTYNE, A. J., and FLETCHER, GILBERT H.: Management of residual or recurrent cancer following radiation therapy for squamous cell carcinoma of the oropharynx (ab), 85: 798, 1965

OON RADIOAUTOGRAPHY. See Radiophosphorus

ROM. See also under organs and regions, as Intestines evaluation of Micropaque barium sulfate as radiograpflic marker for cerebral abscess (ab), Elliott E. Blinderman, 85: 172, 1965
septential hazard of barium cystography, Armand E. Brod eur, Robert A. Goyer, and William Melick, 85: 1080, 1965

eur, Robert A. Goyer, and William Melick, 85: 1080, 1965

BARNETT, ELLIS. See ANDERSON, J. B.
BARRETT, JOHN S., HELWIG, JOHN, Jr., KAY, CALVIN F., and JOHNSON, JULIAN: Cine-aortographic evaluation of aortic insufficiency: unsuspected idiopathic aneurysmal dilatation of the aortic root as a possible indication of the Marfan syndrome (ab), 85: 586, 1965

BARRON, L. R., HILL, R. O., and LINKLETTER, A. M.: X-ray pelvimetry (ab), 85: 596, 1965

BARRY, M., and FLEMING, H. A.: Mass miniature radiography in detection of heart disease (ab), 85: 1139, 1965

BARTH, E. See KISSELER, B.
BARTLEY, T. D. See BROGDON, B. G.
BARTON, C. J. See HENDRICKSE, J. P. de V.
BASEBALL. See Sports
BASHORE, RICHARD. See HANAFEE, WILLIAM
BASILAR IMPRESSION. See Platybasia
BASSET, A. See CAVE, L.
BATESON, ERIC M.: Analysis of 155 solitary lung lesions illustrating the differential diagnosis of mixed tumours of the lung (ab), 85: 785, 1965

BATHO, H. F. See YUEN, K.
BATLE, JOHN D., Jr. See BROWN, MICHAEL
BAUB, ARTHUR. See BAUM, STANLEY
BAUM, STANLEY, STEIN, GEORGE N., and BAUE, ARTHUR: Extrinsic pressure defects on the duodenal loop in mesenteric occlusive disease, 85: 866, 1965

—See NUSBAUM, MOREYE
BAYLEY, T. ARNOLD. See HIGGINS, H. PATRICK
BEABOUT, JOHN W., STEWART, JAMES R., and KINCAID, OWINGS W.: Abernart right subclavian artery: dispute of commonly accepted concepts (ab), 85: 179, 1965

BECKER, MELVIN H., and HYMAN, GEORGE A.: Management of Hodgkin's disease coexistent with pregnancy, 85: 725, 1965

BEIERWALTES, WILLIAM H. See NOFAL, MOHAMMED M. BEIQUE, R. A. See MAGUIRE, G. H. BELL, M. C. See LOWREY, R. S. BELLAVIA, JOSEPHINE V. See WALLACH, STANLEY BELLUCCI, RICHARD J. See ZIZMOR, JUDAH BELTZ, L., and THURN, P.: Lymphogram in tumorous retroperitoneal lymph block (ab), 85: 1142, 1965

BENDA, K. See ROČEK, V. BENÉTON, J. P. See SAUVEGRAIN, J. BENGTOSSON, A. See STRANDH, J. BENIRSCHKE, K. See HOEFNAGEL, D. BENSON, P. F., GOUGH, M. H., and POLANI, P. E.: Lymphanigography and chromosome studies in females with lymphoedema and possible ovarian dysgenesis (ab), 85: 1002, 1965

lymphoedema and possible training of the property of the prope

dwarfism, 85: 677, 1965

—See GROSSMAN, HERMAN
BERGSTRAND, INGEMAR: Improved puncture technique for cerebral angiography: preliminary report (ab), 85: 379,

1965
BERLINER, DAVID L., and ELLIS, Le GRANDE C.: Effects of ionizing radiations on endocrine cells. IV. Increased production of 17a, 20a-dihydroxyprogesterone in rat testes after irradiation (ab), 85: 1012, 1965
BERNAGEAU, J., BISMUTH, V., DESPREZ-CURELY, J. P., and BOURDON, R.: Lymphography in chyluria (ab), 85: 389, 1965
BERNATZ, PHILIP E. See MALDONADO, JORGE E. BERONIUS, PER, FORBERG, SEVALD, HENRIKSON, CARL O., and SÖREMARK, RUNE: lodine 125 as a radiation source with special emphasis on its applications in medical radiology. 1. Theoretical considerations (ab), 85: 1007, 1965

1965
Iodine 125 as a radiation source with special emphasis on its applications in medical radiology. II. AgI and CuI as point roentgen sources (ab), 85: 1008, 1965
BETA RAYS. See Radioiodine
BIERMAN, HOWARD R. See STULBERG, H. JEROME
BIERMAN, STANLEY M. See GROLLMAN, J. H., Jr. BILE DUCTS

See also Biliary Tract; Gallbladder calculi

calculi
—percutaneous transhepatic cholangiography (ab), Robert J.
Flemma et al, 85: 791, 1965
roentgenography
—percutaneous transhepatic cholangiography: preliminary
report describing new approach to examination (ab),
Ernest J. Ferris et al, 85: 393, 1965
—peroral cannulation of ampulla of Vater for direct cholangiography and pancreatography: preliminary report of new
method, Keith R. Rabinov and Morris Simon, 85: 693,
1965

1965

-three years experience of peroral cholegraphy (ab), V. Gvozdanović and L. Kallai, 85: 393, 1965

BLGUTAY, AYDIN M., GANNON, PAUL, STERNS, L. P., FERLIC, RANDOLPH, and LILLEHEL, C. WALTON: Coronary arteriography: new method under induced hypotension by pacing experimental and clinical application (ab), 85: 385, 1965

BILIARY TRACT

See also Bile Ducts; Gallbladder; Liver diseases —intravenous cholangiography used in postcholecystectomy biliary tract disease (ab), Robert Edmunds et al, 85: 792,

fistula. See Fisturoentgenography

roentgenography

-new instrument for operative cholangiography (ab), A. Clifford Abbott, 85: 185, 1965

-percutaneous transhepatic cholangiography (ab), Robert J. Flemma et al, 85: 791, 1965

-percutaneous transhepatic cholangiography (ab), A. Rüttimann et al, 85: 791, 1965

-tuberculous bronchobiliary fistula: report of unusual case with demonstration of fistulous tract by percutaneous transhepatic cholangiography (ab), Robert J. Flemma and William G. Anlyan, 85: 997, 1965

BILODEAU, LARRY P. See REIN, BUNTON I. BILOPTIN. See Bile Ducts, roentgenography
BIOLOGY. See Raciobiology
BIOPSIES. See Breast, cancer; Bronchi, diseases; Kidneys, wounds and insuries

BIOPSIES. See Randonology BIOPSIES. See Breast, cancer; Bronchi, diseases; Kidneys, wounds and injuries BISEL, H. F. See HULKA, J. F. BISMUTH, V. See BERNAGEAU, J. —See DESPREZ-CURELY, J. P.

BJÖRK, LARS, and ANSUSINHA, TAMNIT: Angiogra-diagnosis of acute pulmonary embolism (ab), 85:

BJORNSON, D. R. See EYRING, EDWARD J. BLACKSTONE, ARCHIE. See GIMENEZ, JOSE L. BLACKWELL, C. E. See WITCOFSKI, R. L. BLACKWOOD, W. See STOLTMANN, H. F.

See also Radiobiology; Urinary Tract

abnormalities

-deformity of bladder secondary to pelvic lymphoma, Walter
J. Farrell, 85: 898, 1965 cancer

cancer

-cancer of bladder: combined 5-fluorouracil and cobalt-60 teletherapy (ab), Joseph J. Kaufman et al, 85: 402, 1965
-complications following megavoltage radiation for carcinoma of bladder (ab), D. N. Edwards, 85: 803, 1965
-linear accelerator supervoltage radiation therapy: carcinoma of bladder (ab), Robert H. Sagerman et al, 85: 802, 1965
-Nisbet symposium: tumours of bladder (1) Clinical aspects (ab), D. I. Roberts, 85: 194, 1965
-Nisbet symposium: tumours of bladder. (3) Radiotherapy (ab), H. Holden, 85: 194, 1965
-treatment of carcinoma of bladder with radium (ab), B. Van der Werf-Messing, 85: 802, 1965

-cystitis glandularis, B. G. Brogdon, M. L. Silbiger, and J. A. C. Colston, Jr., 85: 470, 1965
-intramural gas in hollow viscera (ab), J. Colquhoun 85: 797, 1965

mucosa

mucosa
—cystitis glandularis, B. G. Brogdon, M. L. Silbiger, and J. A.
C. Colston, Jr., 85: 470, 1965
regurgitation from. See Ureters, reflux
reentgenography. See also other subheads under Bladder
—improved technic for male urethrocystography (ab), Richard
M. Hyman and George B. Yulis, 85: 797, 1965
—potential bazard of barium cystography, Armand E. Brodeur, Robert A. Goyer, and William Melick, 85: 1980,
1965

-reflux in residual ureter (ab), A. W. Bruce and S. A. Awad, 85: 192, 1965 tumors

tumors

-false images of bladder tumor (ab), P. Wellens and A. Baert,

85: 597, 1965

-malignant extra-adrenal pheochromocytoma (ab), Lars R.

Holsti, 85: 601, 1965

-Nisbet symposium: tumors of bladder (2) Radiological aspects (ab), H. A. Luke, 85: 194, 1965

-Nisbet symposium: tumors of bladder (3) Radiotherapy

(ab), H. Holden, 85: 194, 1965

-precipitation pneumocystocrapny in x-ray diagnosis of

ecipitation pneumocystograpny in x-ray diagnosis of tumors of urinary bladder (ab), V. M. Perelman, 85: 796 -precipitation

1965

-radiological assessment of bladder tumors. Part I: Radiodiagnosis (ab), J. N. Glanville, 85: 397, 1965

-radiological assessment of bladder tumors. Part II: Radiotherapy (ab), H. G. Frank, 85: 397, 1965

BLAKEMORE, WILLIAM S. See NUSBAUM, MOREYE
BLALOCK-TAUSSIG ANASTOMOSIS. See
Arteries, sub-

clavian
BLANCHARD, B. See WHITE, D. NALDRETT
BLANCHARD, ROBERT J., LaFAVE, JAMES W., KIM,
YOUNG SONG, FRYE, CHARLES S., RITCHIE, WALLACE P., and PERRY, JOHN F., Jr.: Treatment of
patients with advanced cancer utilizing Y<sup>20</sup> microspheres
(ab), 85: 1160, 1965

(ab), 85: 1160, 1965

BLANK, EUGENE, and GIRDANY, BERTRAM R.: Symmetric bowing of the terminal phalanges of the fifth fingers in a family (Kirner's deformity) (ab), 85: 999, 1965

BLANK, NORMAN, and LIEBER, ARTHUR: The significance of growing bone islands, 85: 508, 1965

BLAST INJURY. See Lungs, wounds and injuries BLAST INJURY. See Lungs, wounds and injuries BLATZ, HANSON: Common causes of excessive patient exposure in diagnostic radiology (ab), 85: 605, 1965

BLAZEK, JAMES V: Acute traumatic rupture of the thoracic aorta demonstrated by retrograde aortography, 85: 253, 1965

BLEIFELD, W. See EFFERT, S.
BLENDIS, L. M., SAHAY, B. M., and KREEL, LOUIS: The
actiology of "sideropenic" web (ab), 85: 985, 1965
BLINDERMAN, ELLIOTT E.: Evaluation of Micropaque
barium sulphate as radiographic marker for cerebral abscess (ab), 85: 172, 1965

See also Anemia; Erythrocytes' Hemoencephalic Barrier; Hemopoietic System; Leukocytes; Radiations, Injurious Effects; Radiobiology; etc.

adrenocortical preparations plasma and adrenal gland corticosterone levels after x-ray exposure in rats (ab), J. M. Abdul Hameed and Thomas J. Haley, 85: 407, 1965 bumin. See Blood, proteins

albumin.

-tissue distribution of electrolytes, Ca<sup>47</sup>, and Mg<sup>28</sup> in acute hypercalcemia (ab), Stanley Wallach et al, **85**: 196, 1965

chemistry —effect of concentrated contrast media during angiography on plasma volume and plasma osmolality (ab), Lloyd T. Iseri et al, 85: 995, 1965

circulation

circulation
—pre- and postoperative measurements of regional cerebral blood flow in 3 cases of intracranial arteriovenous anearrysms (ab), B. Häggendal et al, 85: 983, 1965 creatine and creatinine
—high-dosage excretory urography (ab), Gilbert Ross, Jr., et al, 85: 597, 1965 diseases. See also Anemia; Leukemia; etc.
—simplified combined Fe<sup>§5</sup>—Cr<sup>51</sup> method for erythrokinetic investigations (ab), Th. Schnider et al, 85: 197, 1965 effects of irradiation. See also Radiations, Injurious Effects; Radiobiology; etc.

effects of irradiation. See also Radiations, Injurious Effects; Radiobiology; etc.

—antibiotic therapy after exposure to x rays (ab), Walter Krasavage and Sol M. Michaelson, 85: 202, 1965
—beta radiation from radioactive iodine (1131)—measurement of 100 human ovaries (ab), D. L. Weijer, 85: 603, 1965—chromosome aberrations in radiation workers (ab), Amos Norman et al, 85: 201, 1965
—whole-body irradiation in the young pig: growth, hematology, and metabolism of calcium-45 and strontium-89 (ab), R. S. Lowrey and M. C. Bell, 85: 404, 1965
fats and lipoids

-intestinal lymphangiectasia: mechanism of enteric loss of plasma-protein and fat (ab), S. P. Mistilis et al, 85: 789, 1965 fats and lipoids

1965
phosphatase
—hypophosphatasia: metabolic disease with important dental manifestations (ab), G. MacL. Ritchie, 85: 579, 1965
plasma. See also Blood, proteins
—gastrointestinal absorption, plasma transport, surface distribution, and urinary and fecal excretion of radioactive vitamin B<sub>15</sub> in iron deficiency (ab), J. D. Cook and L. S. Valberg, 85: 1157, 1965

has meaning method for improving nephrophic bos-

narmacoangiographic method for improving nephrophlebog-raphy, Tord B. Olin and Stewart R. Reuter, 85: 1036, 1965

pressure. See Blood Pressure proteins

roteins

-blood-pool scanning with technetium-99m human serum albumin, Frederick J. Bonte and Thomas S. Curry, III,
85: 1120, 1965

-detection of portal systemic shunts by hepatopulmonary
scanning using I<sup>111</sup> MAA: study and application of macroaggregated albumin (MAA) labelled with I<sup>121</sup> (III) (ab),
Hideo Ueda et al, 85: 1159, 1965

-diagnosis of pulmonary embolism by radioisotope scanning
(ab), David C. Sabiston, Jr., and Henry N. Wagner, Jr.,
85: 198, 1965

human brain scanning with radioiodinated macroaggregates of human serum albumin: preliminary report, Leonard Rosenthall, 85: 110, 1965

AUSCHITHAI, 85: 110, 1995
idiopathic hypoproteinemia and steatorrhea: lymphographic
demonstration of lymphointestinal fistula (ab), J. P.
Desprez-Curely et al, 85: 780, 1965
-intestinal lymphangiectasia: mechanism of enteric loss of
plasma-protein and fat (ab), S. P. Mistilis et al, 85: 789,
1965

-lung scanning with radioiodinated macroaggregates of human serum albumin (ab), Leonard Rosenthall, 85: 1158, 1965

serum albumin (ab), Leonard Rosenthall, 85: 1158, 1965
-scintiscanning in space-occupying lesions of skull (ab), R.
Spencer: 85: 806, 1965
-Te<sup>5im</sup>, labeled serum albumin for scintillation scanning of
placenta (ab), J. G. McAfee et al, 85: 605, 1965
-unusual distribution of pulmonary blood flow between right
and left lung in man: study and application of macroaggregated albumin (MAA) labeled with I<sup>151</sup> (II) (ab).
Hideo Ueda et al, 85: 805, 1965
-scrum. See also other subheads under Rlood

erum. See also other subheads under Blood detection of intestinal absorption of Co<sup>57</sup> tagged vitamin B<sub>18</sub> by serum counting (ab), Paul R. McCurdy, **85**: 1007, 1905

thyroxine
—acute plasma disappearance time of radioactive thyroxine in
patients with cancer (ab), D. Joseph Pastorelle, Jr., and
Arthur Turk, 85: 1158, 1965

carbon dioxide and horizontal fluoroscopy in intrauterine fetal transfusions, William Hanafee and Richard Bashore, 85: 481, 1965 vessels. See Blood Vessels

Fects of angiocardiographic injections on blood viscosity, Peter W. Rand and Eleanor Lacombe, 85: 1022, 1965

reffect of concentrated contrast media during angiography on plasma volume and plasma osmolality (ab), Lloyd T. Iseri et al, 85: 995, 1965

simultaneous determinations of blood volumes using Evans blue and sodium radiochromate (ab), John C. Donovan et al, 85: 404, 1965 BLOOD-BRAIN BARRIER. See Hemoencephalic Barrier BLOOD PRESSURE

also Portal Vein

See also Portal vene effects of drugs on —comparative blood pressure changes in angiography with meglumine iothalamate 60 per cent (60 per cent Conray) and 50 per cent addium diatrizoate (50 per cent Hypaque), Joseph Pen-Tze Lin, Irvin I. Kricheff, and Norman E. Chase, 85: 1033, 1965

RLOOD iot high —abno

Pa

Vol. 85

-is re -large -majo -quat D

-delay

-rena bi -rena -retu p;

-som —tria -core to

BLOOD

effect -epi BLOOK -and BLOOM

BLOOF BLOUN BOCHI BODFO

BODY-BOGAL

BOIJS BOLAI BOLD BONB

ROND

BONE -eff bloo

effe

-d

r 1965

rebrai anen

, Jr.,

fects;

alter

1965

mos

n-89

s of 789,

ntal

tive

II,

то-b),

rd

an 65 of

BLOOD PRESSURE, effects of drugs on—cont. —toxicity of sodium and methylglucamine salts of diatrizoate, iothalamate, and metrizoate: experimental study of their circulatory effects following intracarotid injection, Harry W. Fischer and Steven H. Cornell, 85: 1013, 1965.

-delayed effects of renal irradiation (ab), A. W. Asscher, 85: 606, 1965

666, 1965

-is renal artery stenosis a causal factor for urinary calculi?

(ab), W. Vahlensieck and H.-J. Maurer, 85: 1148, 1965

-large upper lobe veins (ab), C. G. Anderson, 85: 180, 1965

-major segmental renal arterial constriction: experimental study in the dog, Robert Shapiro, John Doppman, Richard Cobb, and John J. Kneisel, 85: 462, 1965

-quantitative analysis of I-131 sodium o-iodohippurate renogram in hypertensive patients (ab), Sandor H. Wax and Donald F. McDonald, 85: 404, 1965

-renal arteriovenous fistula following percutaneous renal biopsy, A. Franklin Turner and George Jacobson, 85: 460, 1965

-renal arteriovenous fistula: reversible cause of hypertension and heart failure (ab), Jorge E. Maldonado et al, **85**: 191, 1965

return of function of kidney not visualized on intravenous pyelogram for 1 1/2 years (ab), Anaxagoras N. Papaio-annou and Alexander Brunschwig, 85: 1148, 1965 some observations on sella in old age and arterial hyperten-sion (ab), I. Kelsey Fry and G. du Boulay, 85: 781, 1965

-trial of radioisotope renogram (ab), E. S. Garnett, 85: 602,

-coronary arteriography: new method under induced hypo-tension by pacing experimental and clinical application (ab), Aydin M. Bilgutay et al, 85: 385, 1965

BLOOD VESSELS See also Angiography; Cardioangiography; Radiobiology; and under names of organs and regions, as Aorta; Ar-teries; Brain; Cardiovascular System; Coronary Ves-sels; Veins; etc.

effects of drugs on

BOIJSEN, ERIK, and WEILAND, PER-OLOF: Dissecting aneurysm of the aorta in Marfan's syndrome (ab), 85: 786, 1965

786, 1965
BOLANDE, ROBERT P. See COOPER, AMIEL G.
—See SMITH, J. CHANDLER
BOLDREY, EDWIN. See SHELINE, GLENN E.
BOLTEN, KARL A. See NEWTON, MICHAEL
BONBREST, H. CONSTANCE: Pulmonary edema following an
epileptic seizure (ab), 85: 783, 1965
BOND, V. P. See FLIEDNER, T. M.

BONE MARROW See also Bones; Hemopoietic System; Radiobiology

effect of erythropoietic stimulation on marrow distribution in man, rabbit and rat as shown by Fe<sup>59</sup> and Fe<sup>52</sup> (ab), Donald Van Dyke et al, **85**: 197, 1965

blood supply -lymphovenography in pelvic cancer (ab), Charles J. Smith et al, 85: 590, 1965

effects of irradiation

-abscopal effects of x irradiation on mouse bone marrow (ab), N. B. Kurnick and Naime Nokay, 85: 203, 1965

chromosome abnormalities in liver and marrow of mice irradiated with fast neutrons, gamma rays, and x-rays: effect of dose rate (ab), Peter C. Nowell et al, 85: 810, 1965

-dry mass distribution changes in mouse bone marrow cell population during first 24 hours after x-irradiation as determined by interferometry (ab), Hun Lee et al, 85: 162, 1625. 163, 1965

-granulocyte reserve following radiation therapy as studied by response to bacterial endotoxin (ab), Samuel Hellman and Martin E. Fink, 85: 1161, 1965

-osseous changes in chronic pancreatitis, Richard D. Gerle, Lewis A. Walker, James L. Achord, and J. Stephen Weens, 85: 330, 1965

tumors

-effect of urography on renal function in patients with multi-ple myeloma (ab), Michael Brown and John D. Battle, Jr., 85: 191, 1965

induction of subacute skeletal fluorosis in case of multiple myeloma (ab), Phin Cohen and Frank H. Gardner, 85: 395, 1965

-malignant lymphoma in survivors of atomic bomb in Hiro-shima (ab), Robert E. Anderson and Kenzo Ishida, 85: 406, 1965

BONES

See also Bone Marrow; Cranium; Epiphyses; Foot; Hand; under names of bones, as Tibia; and under names of dis-eases, as Osteolysis

eases, as Osteolysis
Postgraduate Course, Emory University, Radiology of Bone
and Joint Diseases, 85: 159, 1965
-significance of growing bone islands, Norman Blank and
Arthur Lieber, 85: 508, 1965

—uptake of colloidal chromic radiophosphate (P<sup>32</sup>) by bone and gonads, Leopoldo J. Anghileri, 85: 938, 1965
 antecubital. See Elbow

blood supply
—effects of roentgen therapy on host acceptance of autogenous
bone grafts in dogs, J. Ted Hartman and Robert Rapp, 85:
532, 1965

-bronchial carcinoid with osteoblastic metastases: cases with carcinoid syndrome (ab), George A. Hyman and Josephine Wells, 85: 176, 1965

vocas, 35. The Food of prostate metastatic to skele-ton by radiological studies (ab), Horst K. A. Schirmer and George J. Richards, Jr., 85: 598, 1965

cysts. See also Bones, tumors

—aneurysmal bone cyst (ab), John T. Phelan, 85: 394, 1965 diseases. See also Cranium: Dwarfism; Lipochondrodys-trophy; Leprosy; Osteolysis; etc. —bone lesions due to smallpox (ab), R. Eeckels et al, 85: 593,

effects of irradiation. See also other subheads under Bones
—calculation of absorbed dose in soft-tissue cavities in bone irradiated by x-rays (ab), J. L. Howarth, 85: 804, 1965 grafts. See Bones, transplantation

growth. See also Spine
—acute and long-term effects of x-irradiation on skeletal growth in rat (ab), Richard D. Phillips and Donald J. Kimeldorf, 85: 607, 1965

Kimeldorf, 85: 607, 1965
-dyschondrostéose (Léri-Weill syndrome): congenital short
forearms, Madelung-type wrist deformities and moderate
dwarfism, Walter E. Berdon, Hermann Grossman, and
David H. Baker, 85: 677, 1965
-evolution of skeletal lesions in pseudohypoparathyroidism,
Howard L. Steinbach, Ulf Rudhe, Marianne Jonsson, and
Duane A. Young, 85: 670, 1965

-metaphysial dysostosis, type Schmid (ab), C. E. Dent and I. C. S. Normand, 85: 186, 1965

metabolism

audoradiographic method (ab), Jenifer Jowsey et al, 85: 1157, 1965
 rates of uptake of calcium and phosphorus in microscopic bone structures (ab), J. Strandh et al, 85: 804, 1965

pathology

athology

-dyschondrostéose (Léri-Weill syndrome): congenital short forearms, Madelung-type wrist deformities, and moderate dwarfism, Walter E. Berdon, Herman Grossman, and David H. Baker, 85: 677, 1965

-evolution of skeletal lesions in pseudohypoparathyroidis 1, Howard L. Steinbach, Ulf Rudhe, Marianne Jonsson, and Duane A. Young, 85: 670, 1965

-fibrous cortical defect and nonosseous fibroma of bone (ab), John T. Phelan, 85: 186, 1965

-induction of subacute skeletal fluorosis in case of multiple myeloma (ab), Phin Cohen and Frank H. Gardner, 85: 395, 1965

ossa, 1990 ssseous changes in rubella embryopathy (congenital rubella syndrome), Jack G. Rabinowitz, Bernard S. Wolf, Elliot I. Greenberg, and Aaron R. Rausen, 85: 494, 1965 sseous lesions in acute pancreatitis (ab), J. Warter et al, 85:

793, 1965

roentgenography
—current status of skeletal roentgenology, University of Miami
Fourth postgraduate seminar, 85: 1130, 1965

transplantation

-effects of roentgen therapy on host acceptance of autogenous bone grafts in dogs, J. Ted Hartman and Robert Rapp, 85: 532, 1965

BONES

tuberculosis

—problems in diagnosing osteoarticular tuberculosis (ab), David D. Hunt, 85: 187, 1965

See also under names of bones

bone tumor seminar, Radiological Society of North America, 1965, George T. Wohl, mod., October (pt. 2), 1965
 end-differentiation of bone sarcomas in relation to tumor dis-

tribution and patient age (ab), Nils P. G. Edling, 85: 793,

-fibrous cortical defect and nonosseous fibroma of bone (ab),
John T. Phelan, 85: 186, 1965
-morphologic demonstration of recurrent tumor following
x irradiation: histologic study of irradiated murine chondrosarcoma transplants (ab), Richard L. Swarm et al, 85: 204. 1965

160, 1965

M. J.: A case of meningeal torulosis: the terminal phase of Hodgkin's disease (ab), 38; 380, 1965 H.; FREDERICK J., and CURRY, THOMAS S., III: Blood-pool scanning with technetium-99m human serum albumin, 85; 1120, 1965 BOOK REVIEWS

Dorland's Illustrated Medical Dictionary, 24th ed., 85: 974,

Joriand & Hustrated Medical Dictionary, 24th ed., 85: 9/3, 1965
Farr, R. F., Scott, A. C. H., Ollerenshaw, R., and Everard, G. J. H. Transverse Axial Tomography, 85: 162, 1965
International Symposium on End Results of Cancer Therapy, Sandefjord, Norway, Sept. 16-20, 1963, ed. by Sidney J. Cutler, 85: 375, 1965
Olsson, O., Strnad, F., Vieten, H., and Zuppinger, A., eds. Handbuch der medizinischen Radiologie (Encyclopedia of Medical Radiology). Band X: Röntgendiagnostik des Herzens und der Gelässe. 85: 973, 1965
Smith, Ivan H., et al. Cobalt-60 Teletherapy, 85: 161, 1965
Templeton, Frederic E. X-Ray Examination of the Stomach; 2d ed. 85: 872, 1965
Viamonte, Manuel, Jr., and Parks, Raymond E., eds. Progress in Angiography, 85: 375, 1965
OOKS RECEIVED (not reviewed)

BOOKS RECEIVED (not reviewed) Ariel, Irving M., ed. Progress in Clinical Cancer. Vol. I, 85: 160, 1965

Arndt, Joachim. Grundlagen zur Röntgenmorphologie des Erwachsenenkniegelenks, 85: 774, 1965 Bauer, Donald deForest. A Textbook of Elementary Radio-graphy for Students and Technicians, 85: 772, 1965

Bishop, Paul A. Radiologic Studies of the Gravid Uterus, 85:

Bogren, Hugo. The Composition and Structure of Human Gall Stones, Acta radiol. suppl. 226, 85: 773, 1965

Brain (Lord) and Norris, Forbes H. The Remote Effects of Cancer on the Nervous System, 85: 772, 1965 Brues, Austin M., and Sacher, George A., eds. Aging and Levels of Biological Organization, 85: 973, 1965 Buschke, Franz, ed. Progress in Radiation Therapy.

Caparroso Contreras, Santiago. Radiología cardiovascular esquemática, 85: 774, 1965

Cederquist, Ebbe. Clinical Application of Whole Body Counting of #Sr and \*Ca With and Without Widespread Malignant Skeletal Disease. Acta radiol. suppl. 232, 85: 773, 1965

Cellular Radiation Biology: Papers Presented at 18th Annual Symposium on Fundamental Cancer Research, 1964, University of Texas M. D. Anderson Hospital and Tumor Institute, 85: 160, 1965

Conference on Medical Uses of Radium and Radium Substitutes, University of Chicago, Sept. 3-4, 1964. Report of summary and conclusions. 85: 772, 1965

summary and conclusions. 85: 772, 1965

Dargent, Marcel, ed. Pratique cancérologique, 85: 973, 1965

Duivenstijn, A. J., and Venverloo, L. A. J. Practical Gamma
Spectrometry, 85: 374, 1965

Emmrich, Rolf, ed. Arbeitsmethoden der inneren Medizin und
ihr verwandter Gebiete: Ein Handbuch für Klinik und
Praxis. Band II: Röntgendiagnostische Untersuchungsmethoden. 1. Lfg. 85: 161, 1965

Engeset, Arnfinn. Irradiation of Lymph Nodes and Vessels:
Experiments in Rats, with Reference to Cancer Therapy.
Acta radiol. suppl, 229, 85: 773, 1965

Erickson, Uno. Circulation in Traumatic Amputation

Erickson, Uno. Circulation in Traumatic Amputation Stumps. Acta radiol. suppl. 238, 85: 774, 1965
Felson, Benjamin, Weinstein, Aaron S., and Spitz, Harold B. Principles of Chest Roentgenology, 75: 1131, 1965
Fenyves, E., and Haiman, O. Die physikalischen Grundlagen der Kernstrahlungsmessungen, 85: 161, 1965
Frazer's Anatomy of the Human Skeleton, ed. by A. S. Breathnach, 85: 773, 1965
Frederick, Julian R.

Frederick, Julian R. Ultrasonic Engineering, 85: 571, 1965 Fuchs, W. A. Lymphographie und Tumordiagnostik, 85: 161, 1965

Gaillard, Pieter J., Talmage, Roy V., and Budy, Ann M. The Parathyroid Glands, 85: 1131, 1965 Gandini, Dario, and Sannazzari, Gian Luca. La diagnostica radiologica delle suppurazioni bronco-polmonari, 85: 973,

Glocker, Richard, and Macherauch, Eckard. Röntgen- und Kernphysik für Mediziner und Biophysiker, 85: 161.

Goldman, Myer, Cope, David, and Miller, Ronald S. A Radiographic Index, 85: 973, 1965 Grosch, Daniel S. Biological Effects of Radiations, 85: 772,

1965
Hafter, Ernst. Praktische Gastroenterologie, 85: 1131, 1965
Haye, C., Jammet, H., and Dollfus, M.-A. L'oeil et les radiations ionisantes, 85: 774, 1965
Hladík, Miroslav, and Snobl, Oldřich. Pediatrická rent-genologie, 85: 973, 1965
Hollender, Lars. Determining the Elements of the Interior Orientation in Roentgenography. Acta radiol. suppl. 230, 85: 773, 1965
Holm, Hans Henrik. The Hydrodynamics of Micturition, Acta radiol. suppl. 231, 85: 773, 1965

Acta radioi. Suppl. 231, 85: 773, 1905
International Atomic Energy Agency. Assessment of Radio-activity in Man. 85: 160, 1965

The Management of Radioactive Wastes Produced by Radioisotope Users. Safety Series No. 12, 85: 375, 1965

—Methods of Surveying and Monitoring Marine Radio-activity: Report of an ad hoc Panel of Experts. Safety series No. 11, 85: 375, 1965

International Commission on Radiological Protection. Radia-tion Protection: Recommendations. ICRP Pubn. No. tion Protection: 5, 85: 160, 1965

International Conference on Avian Tumor Viruses, ed. by Joseph W. Beard, 85: 161, 1965

Keuth, Ulrich. Das Membransyndrom der Früh- and Neugeborenen, 85: 774, 1965
 Koller, Lewis R. Ultraviolet Radiation, 85: 973, 1965

Kory, Ross C. drigo A. Ross C., Tsagaris, Theofilos J., and Bustamante, Rorigo A. A Primer of Cardiac Catheterization, 85: 571. 1965

Lawrence, John H., ed. Progress in Atomic Medicine. Vol. I, 85: 160, 1965

Lichtenstein, Louis. Bone Tumors, 85: 1131, 1965

Lillington, Glen A., and Jamplis, Robert W. A Diagnostic Approach to Chest Diseases, 85: 374, 1965

Lobenwein-Weinegg, E. Röntgenatlas zur Frühdiagnostik des Bronchuscarcinom, 85: 161, 1965

Lunderquist, Anders. Angiography in Carcinoma of the Pan-creas. Acta radiol. suppl. 235, 85: 774, 1965 Markowitz, Milton, and Kuttner, Ann Gayler. Rheumatic Fever: Diagnosis, Management and Prevention, 85: 160, 1965

160, 1965 Meneely, George R., and Linde, Shirley Motter, eds. Radio-activity in Man (Second Symposium), 85: 772, 1965 Mitchell, J. S., ed. The Treatment of Cancer with Special

Reference to Radiotherapy and Chemotherapy, 85: 160,

Munkner, Troels. The Infl on the I<sup>181</sup> Metabolism. The Influence of Para-Aminosalicylic Acid tabolism. Acta radiol. suppl. 234, 85: 773,

Neue Ergebnisse der biophysikalischen Forschung. Twent fifth anniversary volume of Max Planck-Institut für Bi physik, Frankfurt am Main, 85: 571, 1965

Nordqvist, Lars. The Sagittal Diameter of the Spinal Cord and Subarachnoid Space in Different Age Groups. Acta radiol. suppl. 227, 85: 773, 1965 Otte, Paul. Über das Wachstum der Gelenkknorpel, 85: 774.

Ovenfors, Caro-Olaf. Pulmonary Interstitial Emphysema. Acta radiol., suppl. 224, 85: 773, 1965

n. Coronary Angiography: A Technical, An-and Clinical Study. Acta radiol. suppl. 233, 85: Paulin, Sven. atomic a 773, 1965 Radioisotopes and Their Industrial Applications,

Piraux, H. Radio 85: 374, 1965 Protection of the Public in the Event of Radiation Accidents.

85: 1131 1965 Radiologic Clinics of North America.

55: 1131, 1905
iologic Clinics of North America. Vol. III, No. 1: Symposium on the Urinary Tract, ed. by Isadore Meschan.
85: 161, 1905. Vol. III, No. 2: Symposia on Radiobiology, ed. by George Cooper, Jr.; Problems in Geriatric Radiology, ed. by John R. Amberg, 85: 772, 1965 Isotopes in Experimental Pharmacology,

Lloyd J., ed. 5: 973, 1965

n, Samuel. Uterosalpingography in Gynecology: Its Application in Physiological and Pathological Conditions, 85: 972, 1965

Rudolf Virchow Medical Society in the City of New York.
Proceedings, ed. by Hans E. Bejach et al, 85: 161, 1965
Schwarz, Gerhart S., and Golthamer, Charles R. Radiographic Atlas of the Human Skull: Normal Variants and Pseudo-Lesions, 85: 972, 1965

Scotto, J. C. L'hyperostose frontale interne, 85: 774, 1965 Selected Papers from the Institute of Cancer Research: Royal Cancer Hospital and from the Royal Marsden Hospital, 1963, 85: 161, 1965 BOOKS Setala

Vol. 85

Sonde Sutto Thear

Tumo Valen van d Wals

Wicte Willi

Zatzl

BOSHI

BOUR BOUS BOUV BOVE BOW I BOYE BRAB

BOUC

-G BRAG

abn

The

. A 772

rent-Igg

tion. dio by 965

fety

by

ge.

al

tic

ial

4

BOOKS RECEIVED (not reviewed)—cont.

Selman, Joseph. The Fundamentals of X-ray and Radium Physics, 85: 1131, 1965

Setäli, Kai. Differences in Pharmacodynamic Response to Colischien Between Beniga and Malignant Epidermal Hyperplasias. Acta radiol. suppl. 237, 85: 774, 1965

Sevelius, Gunnar. Radiostotopes and Circulation by 17 Authors, 85: 571, 1965

thors, 85: 571, 1965 Sonderausschuss Radioaktivität Bundesrepublik Deutschland: 3d Bericht bis Mai 1963, 85: 161, 1965 Sutton, David. Radiology for General Practitioners and Medical Students, 85: 972, 1965 Theander, Georg. Variation in Shape of Galibladder During Cholecystography. Acta radiol. suppl. 225, 85: 773,

Cnolecystography. Acta radiol. suppl. 225, 85: 773, 1965
Tumors of Bone and Soft Tissue: Papers Presented at 8th Annual Clinical Conference on Cancer, 1963, University of Texas M. D. Anderson Hospital and Tumor Institute, 85: 160, 1965
Valentino, Vincenzo. Myelography, 85: 374, 1965
van der Planats, G. J. Medical X. Ray Technique: Principles and Applications, 85: 374, 1965
Walstam, Rune. Studies on Therapeutic Short-Distance and Intracavitary Gamma Beam Techniques. Acta radiol. suppl. 236, 85: 774, 1965
Wictorin, Lennart. Bone Resorption in Cases with Complete Upper Denture. Acta radiol. suppl. 228, 85: 773, 1965
Williams, Paul C. The Lumbosacral Spine, 85: 1131, 1965
World Health Organization. Public Health and the Medical Use of Ionizing Radiation: Fifth Report of the WHO Expert Committee on Radiation. Techn. Rept. Series No. 306, 85: 375, 1965

BORN, JAMES L. See LAWRENCE, JOHN H.
BORRELLI, F. J. See FREUND, M.
BORRIE, JOHN. See LICHTER, IVAN
BOSHER, LEWIS H., Jr. See McCUE, CAROLYN M.
BOSNIAK, MORTON A.: Radiographic manifestations of
massive arteriovenous fistula in renal carcinoma, 85: 454,

—See SIEGELMAN, STANLEY S.
BOTTRILL, D. O., ROGERS, R. T., and HOPE-STONE, H. F.:
Composite filter technique and special patient jig for the
treatment of the whole brain and spinal cord (ab), 85:

1004, 1965
BOUCOT, KATHARINE R., COOPER, DAVID A., WEISS,
WILLIAM, and CARNAHAN, WILLIAM J.: Appearance of first roentgenographic abnormalities due to lung

ance of first roentgenographic abnormalities due to lung cancer (ab), 85: 581, 1065
BOURDON, R. See BERNAGEAU, J.
—See DESPREZ-CURELY, J. P.
BOUSHY, SAMUEL F. See LEWIS, BENJAMIN M.
BOUVIER, Cl. See BUFFARD, P.
BOUYER, Cl. See BUFFARD, P.
BOVER, ALFRED, See GIMENEZ, JOSE L.
BOWMAN, R. E. See WOLFE, R. C.
BOYER, JOHN. See BERDON, WALTER E.
BOYLE, D. See KOGUT, M. D.
BRABAND, H.: Problems of roentgen diagnosis of ameloblastoma in West Africa (ab), 85: 1135, 1965
BRADBURY, JAMES T. See EVANS, TITUS C.
BRADY, LUTHER W., CANDER, LEON, EVANS, GEORGE C., and FAUST, DONALD S.: Carcinoma of the lung; results of supervoltage radiation therapy (ab), 85: 799, 1965

FAUST, DONALD S., JOHNSON, C. R., and WOLFERTH, C. C., Jr.: Carcinoma of the esophagus: therapeutic results using supervoltage techniques (ab), 85: 1004,

of radiation therapy on pulmonary function in carcinoma of the lung, 85: 130, 1965

BRAGG PEAK. See Radiotherapy

BRAIN

KAIN

See also Cerebellopontine Angle; Cerebellum; Corpus
Callosum; Head; Meninges; Pituitary Body; etc.
ahormalities. See also other subheads under Brain
—partial agenesis of septum pellucidum with cave of septum
pellucidum: report of case with review of literature (ab),
M. Madonick et al, 85: 380, 1965

abscess

-brain scans in non-neoplastic intracranial lesions: scanning with chlormerodrin Hg<sup>203</sup> and chlormerodrin Hg<sup>407</sup> (ab), Marvin C. Overton, III, et al, 85: 1009, 1965

-early venous filling in case of well encapsulated intracerebral abscess (ab), G. Sanchez and N. Chase, 85: 780, 1965

evaluation of Micropaque barium sulfate as radiographic marker for cerebral abscess (ab), Elliott E. Blinderman, 85: 172, 1965

85: 172, 1965
—isotope encephalography: experience with 100 cases (ab),
James W. D. Bull and John Marryat, 85: 1159, 1965
—preoperative diagnosis of brain abscess by roentgenologic
demonstration of air-fluid level: report of 2 cases (ab),
Judah Zizmor et al, 85: 172, 1965 absence

osence -congenital variations in cephalobrachial vessels in anen-cephaly (ab), Bernard S. Epstein and Paul Kolker, 85: 983, 1965

—deglutition by normal and anencephalic fetuses (ab), Jack A. Pritchard, 85: 1157, 1965

blood supply. See also Aneurysm; Arteries; Meninges; other subheads under Brain—angiographic visualization of subarachnoid cisterns, Law-rence Rosen, William Weidner and William Hanafee, 85:

rence Rosen, William Weidner and William Hanafee, 85: 1, 1965

-brain seans in non-neoplastic intracranial lesions: scanning with chlormerodrin Hg 190 and chlormerodrin Hg 197 (ab), Marvin C. Overton, III, et al., 85: 1099, 1965

-cerebral circulatory arrest caused by acute increase of intracranial pressure: clinical and roentgenological study of 25 cases (ab), O. Heiskanen, 85: 173, 1965

-collateral circulation in cerebrovascular disease in childhood via rete mirabile and perforating branches of anterior choroidal and posterior cerebral arteries, Norman E. Leeds and Kenneth H. Abbott, 85: 628, 1965

-comparative blood pressure changes in angiography with meglumine iothalamate 60 per cent (60 per cent Conray) and 50 per cent sodium diatrizoate (50 per cent Hypaque), Joseph Pen-Tze Lin, Irvin I. Kricheff, and Norman E. Chase, 85: 1033, 1965

-complications of angiography in cerebrovascular disease,

-four-vessel angiography: experiences with 300 consecutive cases (ab), E. Stephens Gurdjian et al, 85: 171, 1965
-frequency of extracranial cerebrovascular disease in patients

frequency of extracranial cerebrovascular disease in patients with chronic psychosis (ab), Lester R. Bryant et al, 85: 780, 1965
giant-cell (cranial) arteritis: case with angiographic abnormalities (ab), Vincent C. Hinck et al, 85: 171, 1965
human brain scanning with radioiodinated macroaggregates of human serum albumin: preliminary report, Leonard Rosenthall, 85: 110, 1965
improved puncture technic for cerebral angiography: preliminary report (ab), Ingemar Bergstrand, 85: 379, 1965
intrathoracic hyperpressure in neuroradiology: results in (1) cerebral pan-angiography and (2) arteriography of thoracocervical region (ab), José Zaclis et al, 85: 576, 1965

-new instrumentation for cerebral microangiography, Norman E. Chase, William K. Hass, and Irvin I. Kricheff, 85: 736,

1965
- observations on variable relationship of carotid and vertebral
circulation (ab), John E. Whiteleather and M. M. Keirns,
85: 175, 1965
- persistence of primitive trigeminal artery: abnormal carotidbasilar anastomosis (ab), P. Buffard et al, 85: 780,

1965

1965—

pre- and postoperative measurements of regional cerebral plood flow in 3 cases of intracranial arteriovenous aneurysms (ab), E. Häggendal et al, 85: 983, 1965—

retinal embolism as complication of angiography: possible role of platelet and cholesterol emboli (ab), H. F. W. Pribram and C. M. Couves, 85: 985, 1965—

ruptured intracranial aneurysms—role of arterial spasm (ab), J. M. Allcock and C. G. Drake, 85: 983, 1965—

some observations on sella in old age and arterial hypertension (ab), I. Kelsey Fry and G. du Boulay, 85: 781, 1965

1965
-subclavian steal in patients with Blalock-Taussig ana-stomosis (ab), Gordon M. Folger, Jr., and Kishor D. Shah, 85: 993, 1965 technic and value of percutaneous transbrachial cerebral angiography (ab), S. Wende and V. Taenzer, 85: 983,

1965

-technic of aortocervical angiography (ab), B. Liliequist and L. Hellström, 85: 786, 1965

-thermography in diagnosis of cerebrovascular disease, Ernest H. Wood, 85: 270, 1965

-veins of white matter of cerebral hemispheres (medullary veins): diagnostic importance in carotid angiography (ab), Yun Peng Huang and Bernard S. Wolf, 85: 174, 1965

1965
—venous angiogram: frequently overlooked phase of carotid
angiography (ab), Hillier L. Baker, Jr., 85: 174, 1965
calcification. See also Brain, cancer
—assessment of normal physiological intracranial calcification
occurring in Indian subjects (ab), M. G. Varadarajan and
B. Ramamurthi, 85: 578, 1965

cancer
calcification in intracranial metastases (ab), D. Gordon Potts and Gerhart T. Svare, 85: 577, 1965
echoencephalography as adjuvant to routine examination of skull: technics and results, Kenneth D. McGinnis and Carl J. Zylak, 85: 291, 1965
care phalography: experience with 100 cases (ab),

-cati J. Zyiak, 85: 254, 1993
-isotope encephalography: experience with 100 cases (ab),
James W. D. Bull and John Marryat, 85: 1159, 1965
-radiological manifestations of suprasellar metastic tissue
(ab), James H. Scatliff and James W. D. Bull, 85: 781,
1965

-partial agenesis of septum pellucidum with cave of septum pellucidum: report of case with review of literature (ab), M. J. Madonick et al, 85: 380, 1965

diseases
—role of ligmaenta flava in pathogenesis of myelopathy in cervical spondylosis (ab), H. F. Stoltmann and W. Black-wood, 85: 186, 1956

Vol. 85

BRONG

cance

cysts

dilata disea

fistula

obstr

perfor physic

-bro

-dia -pul

woun

BRONG

—gui

-trac

-tra

BROW

BROW

BROW

BROW

BROW

BRUCE

BRUNE

BRUNS

de BRII

BRYK, -and

BRZEK

BUCKI

BUCKI BUCY,

-rad

BRAIN-

diverticula

--ventricular diverticulum in infantile hydrocephalus (ab),
Lars Granholm and Claes Rådberg, 85: 1135, 1965

echoencephalography
—studies in ultrasonic echoencephalography. I. A-scan
determination of the M-echo position in group of patients
(ab), D. Naldrett White et al, 85: 780, 1965
effects of irradiation

lects of irradiation delayed effects of radiation on human central nervous sys-tem: "early" and "late" delayed reactions (ab), Peter W. Lampert and Richard L. Davis, 85: 201, 1965

effect of x irradiation and certain other treatments on blood ain barrier permeability (ab), V. Nair and L. J. Roth,

hematoma

echoencephalography as adjuvant to routine examination of skull: technics and results, Kenneth D. McGinnis and Carl J. Zylak, 85: 291, 1965 hernia

changes in anterior choroidal artery in intracranial lesions (ab), Marjorie J. LeMay and David M. Jackson, 85: 171

-craniolacunia (ab), Charles E. Shopfner et al, 85: 984,

marcdon

-brain scans in non-neoplastic intracranial lesions: scanning
with chlormerodrin Hg. 204 and chlormerodrin Hg. 197 (ab),
Marvin C. Overton, III, et al, 85: 1009, 1965
-intracranial aneurysm rupture, vasospasm, and infarction
(ab), Stuart A. Schneck and Irvin I. Kricheff, 85: 576,
1965 infarction —brain se

—pathogenesis of cerebral infarction following rupture of cerebral berry aneurysms (ab), M. R. Crompton, 85: 379, 1965

inflammation. See Encephalitis; Meningoencephalitis pressure in. See Cranium, pressure in

tgenography. See also other subheads under Brain cephalography with urea (ab), G. Ruggiero et al. **85**: 1135, 1965 roentgenography.

1965

-pneumoencephalographic findings in coccidioidal meningoencephalitis (ab), Christos A. Papatheodorou and Paul
Teng, 85: 577, 1965

-pneumoencephalographic findings in various forms of cerebellar degeneration, Marjorie LeMay and Artur Abram
owicz, 85: 284, 1965

owicz, 85: 284, 1965

—role of transverse arachnoidal membrane within interpeduncular cistern in passage of Pantopaque into cranial cavity, Bernard S. Epstein, 85: 914, 1965
—telecine technic applied to neuroradiology (ab), G. du Boulay and E. M. Monson, 85: 400, 1965
—television fluoroscopy in cerebral pneumography, Charles Stuart, 85: 927, 1965
Scanning. See also other subheads under Brain.

See also other subheads under Brain scanning.

pertechnetate for brain scanning (ab), J. G. McAfee et al, 85: 604, 1965 chnic of gamma encephalography using two opposing counters (ab), A. Chevallier and G. Methlin, 85: 805,

1965 tumors See also Cerebellum, tumors; Cranium, tumors; d, tumors; Meninges, tumors; Pituitary Body,

tumors; tumors; etc. angiographic features of unilateral hydrocephalus of ob-

-angiographic features of unilateral hydrocephalus of obstructive nature (ab), Yun Peng Huang and Bernard S. Wolf, 85: 175, 1965
-brain scans in diagnosis of brain tumors: scanning with chlormerodrin Hg<sup>30</sup> and chlormerodrin Hg<sup>30</sup> (ab), Paul C. Bucy and Ivan S. Ciric, 85: 1010, 1965
-changes in anterior choroidal artery in intracranial lesions (ab), Marjorie J. LeMay and David M. Jackson, 85: 171 1965

(ab), Ma 171, 1965 collateral circulation in cerebrovascular disease in child-

-collateral circulation in cerebrovascular disease in child-hood via rete mirabile and perforating branches of an-terior choroidal and posterior cerebral arteries, Norman E. Leeds and Kenneth H. Abbott, 85: 628, 1965 -comparative assessment of pneumoencephalography in in-vestigation of cerebral neoplasms and increased intra-cranial pressure (ab), E. Graeme Robertson, 85: 173, 1965

early venous filling in case of well encapsulated intracerebral

—early venous filling in case of well encapsulated intracerebral abscess (ab), G. Sanchez and N. Chase, 85: 780, 1965 —echoencephalography as adjuvant to routine examination of skull: technics and results, Kenneth C. McGinnis and Carl J. Zylak, 85: 291, 1965 —efficacy of radiation therapy in treatment of tumors of brain and brain stem (ab), Carleton B. Peirce, 85: 193, 1965 —encephalography with urea (ab), G. Ruggiero et al, 85: 1135, 1965

epidermoid tumor of skull and brain, David L. Bloom and Mary F. Keohane, 85: 485, 1965 e-valuation of angiography in diagnosis of suprasellar tumors (ab), Emanuel H. Feiring and Jerome H. Shapiro, 85: 173, 1965

-isotope encephalography: experience with 100 cases (ab), James W. D. Bull and John Marryat, 85: 1159, 1965 —percutaneous retrograde brachial angiography in diagnosis of acoustic neurinoma: results in 4 cases (ab), John A. Goree et al, 85: 172, 1965 —radiologic findings in acute necrotizing encephalitis, John I. Howieson, Alfonso Escobar, Rocca Garofalo, 85: 298, 196

moverson, Aronso Escobar, Rocea Garonino, 85: 298, 1965
 spencer, 85: 806, 1965
 technetium 99m as scanning agent, P. V. Harper, K. A. Lathrop, F. Jiminez, R. Fink, and A. Gottschalk, 85: 101, 1965

101, 1965

-therapy of unbiopsied brain tumors (ab), Glenn E. Sheline et al, 85: 1149, 1965

-thermography in diagnosis of cerebrovascular disease, Brnest H. Wood, 85: 270, 1965

-veins of white matter of cerebral hemispheres (medullary veins): diagnostic importance in carotid angiography (ab), Yun Peng Huang and Bernard S. Wolf, 85: 174, 1965

wounds and injuries

wounds and injuries

--brain scans in non-neoplastic intracranial lesions: scanning
with chlormerodrin Hg<sup>203</sup> and chlormerodrin Hg<sup>107</sup> (ab),
Marvin C. Overton, III, et al, 85: 1009, 1965

BRAUNWALD, EUGENE, LAMBREW, COSTAS T., ROCKOFF, S. DAVID, ROSS, JOHN, Jr., and MORROW,
ANDREW G.: Idiopathic hypertrophic subaortic stenosis (ab), 85, 384, 1965

BREAST

cancer

-calcification in intracranial metastases (ab), D. Gordon Potts and Gerhart T. Svare, 85: 577, 1965

-dominant masses and mammography (ab), J. Gershon-Cohen and Ernest J. Pick, 85: 582, 1965

-effect of radiation therapy on survival time of women with recurrent mammary carcinoma (ab), Richard J. Kaufman et al, 85: 1150, 1965

-effect of various hormones, isotopes, and isotope-tagged hormones on breast cancer in rats (ab), William S. Fletcher et al, 85: 806, 1965

-five-year results in 431 breast cancers treated solely by roentgen rays (ab), Francois Baclesse, 85: 799, 1965

-indications for high-speed electron therapy (ab), P. M. Van Vaerenbergh and K. Schelstraete, 85: 403, 1965

-large solitary cystic lesions of breast (ab), Bruce Young and Eric Samuel, 85: 581, 1965

-radical irradiation of advanced breast cancer (ab), Gilbert H. Fletcher and Eleanor D. Montague, 85: 1150, 1965

-rapid radiotherapy for inoperable carcinoma of breast: benefits and complications (ab), Alan H. Edelman et al, 85: 1150, 1965

benefits and co 85: 1150, 1965

55: 1130, 1905.

thermography: report of radiographic and thermographic examinations of breasts of 100 patients, Alfred G. Swearingen, 85: 818, 1965.

evalue of punch biopsy in preoperative radiotherapy of cancer of breast and cytological examination (ab). D. Rosner et al, 85: 402, 1965.

cysts
-large solitary cystic lesions of breast (ab), Bruce Young and Eric Samuel, 85: 581, 1965
Jymph nodes. See Lymph Nodes reentgenography. See also other subheads under Breast
-dominant masses and mammography (ab), J. Gershon-Cohen and Ernest J. Pick, 85: 582, 1965
-technic of using large-film fluorography in diagnosis of diseases of mammary glands (ab), V. B. Gerieva, 85: 582, 1965

382, 1993 - Neromammography and film mammography: comparative study, Francis F. Ruzicka, Jr., Leonard Kaufman, Gerald Shapiro, Joseph V. Perez, Carlo E. Grossi, 85: 260, 1965 hermography. See Breast, cancer thermography.

tumors
—treatment of malignant tumors of breast (ab), Nobuyoshi
Muta and Jun Nagai, 85: 800, 1965
BRESSON, Y. See HERZBERG, B.
BRET, P., and DUQUESNEL, C.: Hepatorenal polycystosis
(ab), 85: 186, 1965
BREWER, J. I., GERBIE, A. B., DOLKART, R. E., SKOM,
J. H., NAGLE, R. G., and TOROK, E. E.: Chemotherapy in trophoblastic diseases (ab), 85: 396, 1965
BRIGHTON, CARL T. See BUNDENS, WARNER D., Jr.
BRILL, A. B., and FORGOTSON, E. H.: Radiation and congenital malformations (ab), 85: 1010, 1965
BRISTER HINCTITIES OF RADIOLOGY.

genital malformations (ab), 85: 1010, 1965
BRITISH INSTITUTE OF RADIOLOGY
—hospital visits in London 25: 1076 —hospital visits in London, 85: 374, 1965
BROCARD, H., GALLOUÉDEC, CH., PLATTE, MME. F., and Le DU: Pulmonary dystrophy of the vanishing lung type (ab), 85: 1136, 1965
BRODEUR, ARMAND E., GOYER, ROBERT A., and MEL-ICK, WILLIAM: A potential hazard of barium cystography, 85: 1080, 1965
BRODY, MICHAEL J., and FISCHER, HARRY W.: Angion graphic analysis of renal vasoconstriction (ab), 85: 180, 1965

DON, B. G., BARTLEY, T. D., SCHIEBLER, G. L., SHANKLIN, D. R., KROVETZ, L. J., and LORINCZ, A. E.: Cardiovascular radiology in calves (ab), 85: 586, SILBIGER, M. L., and COLSTON, J. A. C., Jr.: Cystitis

—SILBIGER, M. L., and COLSTON, J. A. C., Jr.: Cysuus glandularis, 85: 470, 1965

BROLIN, I., and PAULIN, S.: Abnormal communications between splanchnic vessels (ab), 85: 387, 1965

BRON, KLAUS M., JACKSON, FRANCIS C., HALLER, JORDAN, PEREZ-STABLE, E., EISEN, HOWARD B., and POLLER, SAM: The value of selective arteriography in demonstrating portal and splenic vein patency following nonvisualization by splenoportography, 85: 448, 1965

R

ine

ing

on 111-

an

by

M nd

al

d

BRONCHI

RONCH1
See also Bronchiectasis
blood supply. See Arteries, bronchial
cancer. See also Lungs, cancer
-superior mediastinal obstruction treated with demecolcine
followed by radiotherapy (ab), Maurice Sutton, 85: 1151,

-calcium in fluid of mediastinal bronchogenic cyst: new ro-entgenographic finding, Steven H. Cornell, 85: 825, 1965 dilatation. See Bronchiectasis

\_\_bronchial biopsy in connection with bronchography (ab Björn Nordenström and Eric Carlens, **85**: 783, 1965 stula. See Fistula

obstruction

obstruction
—radiological changes in pulmonary atelectasis (ab), Allan
M. Lansing, 85: 783, 1965
perforation. See Bronchi, wounds and injuries

physiology
—tracheobronchial collapse during cough, John E. Rayl, 85: 87 1965

87, 1965
rentgenography. See also Lungs, cancer; other subheads
under Bronchi

-bronchial biopsy in connection with bronchography (ab),
Björn Nordenström and Eric Carlens, 85: 783, 1965

-diagnostic value of Lipiodol bronchography in cancer of
large hilar bronchi inaccessible to endoscopy (ab), P.
Galy et al, 85: 785, 1965

Galy et al, 85: 785, 1965

-pulmonary tissue reaction following Hytrast bronchograms
(ab), S. Donald Greenberg et al, 85: 581, 1965

-transtracheal selective bronchography, Plinio Rossi, A.
Hamid Shahinfar, and F. F. Ruzicka, Jr., 85: 829, 1965

wounds and injuries

-trackedynaphial

ounds and injuries tracheopronchial perforation: its diagnosis and treatment, Martin L. Silbiger and Lois N. Kushner, 85: 242, 1965

Martin L. Silbiger and Love BRONCHIECTASIS

—bronchiolectasis: clinical syndrome and its relationship to chronic lung disease (ab), C. E. Buckley, III, et al, 85:

985, 1965
—guided catheterization of bronchial arteries. Part III:
Nonmalignant pulmonary and mediastinal pathologic
conditions, Manual Viamonte, Jr., Raymond E. Parks,
and William M. Smoak, III, 85: 221, 1965
—tracheobronchomegaly (Mounier-Kuhn syndrome) (ab), P.
Rossi et al, 85: 176, 1965

Rossi et al, 45: 176, 1965

—tracheobronchomegaly: report of 5 cases and demonstration of familial occurrence (ab), Robert F. Johnston and Robert A. Green, 45: 783, 1965

BRONCHIOLECTASIS. See Bronchiectasis BROOKE-COOKE DISEASE. See Intestines, diseases BROWN, B. St. J.: Defecography or anorectal studies in children including cinefluorographic observations (ab), 95:1145-1065.

85: 1145, 1965 BROWN, DONALD W. See MEEK, DAVID C.

BROWN, DONALD W. See MEEK, DAVID C.
BROWN, JAMES: Primary amyloidosis (ab), 85: 599, 1965
BROWN, MICHAEL, and BATTLE, JOHN D., Jr.: Effect of
urography on renal function in patients with multiple
myeloma (ab), 85: 191, 1965
BROWN, MICHAEL W., TEMPLETON, ARCH W., and
HODGES, FRED J., III: The incidence of acquired and
congenital fusions in the cervical spine (ab), 85: 595,
1965
BROWN, OWEN L. LONGAGEE L. V. 2007

1965
VN, OWEN L., LONGACRE, J. J., DESTEFANO, GEORGE A., WOOD, ROBERT W., and KAHL, JAMES B.: Roentgen manifestations of blow-out fracture of the orbit, 85: 908, 1965
VN, RICHARD, RAHIMTOOLA, SHAHBUDIN H., DAVIS, GEORGE D., and SWAN, H. J. C.: Effect of angiocardiographic contrast medium on circulatory dynamics in man: cardiac output during angiocardiography (ab) 85: 904 1965

names in man: caronac output during angiocardiography (acb), 88: 994, 1965
BRUCE, A. W., and AWAD, S. A.: Reflux in residual ureter (ab), 85: 192, 1965
BRUMMETT, STANLEY W. See SLOAN, ROBERT F. BRUNE, J. See GALY, P. BRUNEAU, ROBERT, and RUBIN, PHILIP: Management of pleural effusions and chylothorax in lymphoma, 85: 1085, 1085

BRUNSCHWIG, ALEXANDER. See PAPAIOANNOU, AN-AXAGORAS N.
de BRUX, J. See ROUJEAU, J.
BRYANT, LESTER R., EISEMAN, BEN, SPENCER, FRANK
C., and LIEBER, ARTHUR: Frequency of extracranial ARTHUR: Frequency of extracranial ease in patients with chronic psychosis

cerebrovascular disease in patients with chronic psychosis (ab), 85: 780, 1965

YK, DAVID, and LEVIN, EMANUEL J.: Pulmonary varicosity, 85: 834, 1965

and NESCHIS, MARTIN: Acute dilation in backwash ileitis after ileoproctostomy for ulcerative colitis (ab), 85: 996, 1965

BRZEK, V., KREN, V., and BARTOS, V.: Retrograde lym-BRZEK, V., KREN, V., and BARTOS, V.: Retrograde lymphopraphy of the thoracic duct (ab), 85: 995, 1965
BUCKLEY, C. E., III, TUCKER, D. H., THORNE, N. A., and SIEKER, H. O.: Bronchiolectasis: the clinical syndrome and its relationship to chronic lung disease (ab), 85: 985, 1965
BUCKLEY, GLORIA C. See HIGGINS, H. PATRICK
BUCY, PAUL C., and CIRIC, IVAN S.: Brain scans in diagnosis of brain tumors: scanning with chlormerodrin Hg 203 and chlormero drin Hg 197 (ab), 85: 1610, 1965

BUDHRAJA, S. N., and ANDERSON, J. C.: An assessment of the value of radiotherapy in the management of car-cinoma of the prostate (ab), 85: 602, 1965 BUFFARD, P., DECHAUME, J. P., LAPRAS, Cl., GOUTELLE, A., MICHEL, D., BOUVIER, Cl., FISHER, G., and MAS-QUIN, A.: Persistence of the primitive trigeminal artery: abnormal carotid-basilar anastomosis (ab), 85:

BUILD-UP RATIO. See Dosimetry; Radiocobalt, physics
BULL, JAMES W. D., and MARRYAT, JOHN: Isotope encephalography: experience with 100 cases (ab), 85: 1159,

See SCATLIFF, JAMES H.
BUNDENS, WARNER D., Jr., BRIGHTON, CARL T., and
WEITZMAN, GERALD: Primary articular-cartilage
calcification with arthritis (pseudogout syndrome) (ab),

BURCHAM, THOMAS A., Sr. (obit), 85: 155, 1965
BURCHAM, THOMAS A., Sr. (obit), 85: 155, 1965
BURKE, EDWARD NEWELL, NICHOLS, GWENDOLYN
BARRINGTON, and CAPPI, JOHN: Importance of
preoperative scout films: associated with foreign bodies
(ab), 85: 591, 1965
BURKITT'S TUMOR. See Tumors, in children
BURKO, HENRY, and GYEPES, MICHAEL T.: Radiological
assessment of left atrial size in infants, 85: 1099, 1965
—See LeVINE, MILTON
BURNS, ROBERT R. See DOCKRAY, KARL T.
BURRIS, JOHN J. See ELLIS, KENT
BURT, FREDERICK B. See KAUPMAN, JOSEPH J.
BYRNE, JOHN J. SEE FERRIS, ERNEST J.
BYSTROVA, Yn. A. See KALASHNIKOV, B. P.

CACCHI-RICCI DISEASE. See Kidneys, cysts CALABRESE, ANTHONY. See RABEN, MILTON CALCIFICATION, See Brain; Calcium and Calcium pounds; Heart, Lungs, Pleura, Spine, intervertebral

CALCIUM And CALCIUM COMPOUNDS

See also Blood, calcium ComPounds, Heart; Lungs; Pleura; Spine, intervertebral disks

CALCIUM and CALCIUM COMPOUNDS

See also Blood, calcium
—calcium in fluid of mediastinal bronchogenic cyst: new roentgenographic finding, Steven H. Cornell, 85: 825, 1965
metabolism

abousm obtopic method for measurement of calcium absorption from gastrointestinal tract (ab), G. Alan Rose et al, 85: 1157, 1965

—primary articular-cartilage calcification with arthritis (pseudogout syndrome) (ab), Warner D. Bundens, Jr. et al, 85: 793, 1965
—strontium-calcium interrelationships in growing rat (ab), Ray F. Palmer and Roy C. Thompson, 85: 199, 1965
—tissue distribution of electrolytes, Cav, and Mgs in acute hypercalcemia (ab), Stanley Wallach et al, 85: 196, 1965 radioactive. See Radiocalcium CALEM, SHELDON H. See MARSHAK, RICHARD H. CALVARIUM. See Cranium CALEM, See Cranium CALEAS

CAMERAS

See also Roentgen Rays, apparatus

See also Roentgen Rays, apparatus
—radioisotopes and radiation in biomedical research: scintilation camera in diagnosis and research (ab), H. O. Anger et al, 85: 808, 1965
CAMPBELL, A. C. P. See RIDDELL, A. G.
CAMPBELL, E. M. See LEGAL, J.
CAMPBELL, JOHN E., OLIVER, J. A., and McKAY, D. E.:
Dynamies of ileal conduits, 85: 338, 1965
CAMPBELL, MAURICE, and DEUCHAR, D. C.: Dextrocardia and isolated laevocardia. I. Isolated laevocardia (ab), 85: 988, 1965
CAMPTODACTYLY. See Fingers and Toes, abnormalities
CANAL, AUDITORY.
See Ear, internal
CANCER
See also American Cancer Society: Radiations, Injurious

See also American Cancer Society; Radiations, Injurious Effects; Radiobiology; under organs and regions acute plasma disappearance time of radioactive thyroxine in patients with cancer (ab), D. Joseph Pastorelle, Jr., and Arthur Turk, 85: 1158, 1965.

Juternational Cancer Congress (17th), Tokyo, Japan, 85: 972, 1965

San Francisco Cancer Symposium (I), 85: 972, 1965

alue of punch biopsy in preoperative radiotherapy of cancer of breast and cytological examination (ab), D. Rosner et at, 85: 402, 1965

chemotherapy in trophoblastic diseases (ab), J. I. Brewer et al, 85: 396, 1965
Methotrexate therapy in 2 cases of trophoblastic tumors of uterus involving lungs (ab), C. Nyström et al, 85: 597,

—pulmonary changes in malignant trophoblastic disease (ab), K. T. Evans et al, 85: 1138, 1965 metastases. See Bones, cancer; Lungs, cancer; Lymph Nodes,

cancer: etc. radiotherapy. See also Radiations, Injurious Effects; Radio biology; under organs and regions

experience with hyperbaric oxygenation in clinical radio-therapy (ab), Harold L. Atkins et al, 85: 1154, 1965

method for predicting malignant tumor destruction by laser radiation (ab), John Peter Minton and Marvin Zelen, 85: 1010, 1965

CANCER, radiotherapy—cont.
—treatment of patients with advanced cancer utilizing Y<sup>∞</sup>
microspheres (ab), Robert J. Blanchard et al, 85: 1160,

1965
therapy
—international symposium on end results of cancer therapy,
Sandefjord, Norway, Sept. 16-20, 1963. (bk rev), ed. by
Sidney J. Cutter, 85: 375, 1965
CANDER, LEON. See BRADY, LUTHER W.
CANNULATION. See Lymphatic System, roentgenography;
Vater's Ampulla
CAPLAN, LAWRENCE H., JACOBSON, HAROLD G., RUBINSTEIN, BERTA M., and ROTMAN, MARVIN Z.: Megacolon and volvulus in Parkinson's disease, 85: 73, 1965
—and NAIMARK, ALLAN: The transtracheal approach to
lavyngography, 85: 439, 1965
CAPNOHEPATOGRAPHY. See Veins, hepatic
CAPP, M. PAUL. See FLEMMA, ROBERT J.
CAPPI, JOHN. See BURKE, EDWARD NEWELL
CARBON
dioxide. See also Bladder, tumors; Veins, hepatic

ioxide. See also Bladder, tumors; Veins, hepatic carbon dioxide and horizontal fluoroscopy in intrauterine fetal translusions, William Hanafee and Richard Bashore, 85; 481, 1965 dioxide. 85: 481, 1965 radioactive. See Radiocarbon

CARCINOID. See Duodenum, cancer; Lungs, cancer CARDIOANGIOGRAPHY

also Angiocardiography; Angiography

complications uplications of cardiovascular radiological investigations ab), Ronald G. Grainger, 85: 1138, 1965

technic

-technic of transseptal catheterization of left atrium, pulmonary veins, and left ventricle in dog, K. Ostergaard
Petersen, G. Harrington, Nils Magnus Ohlsson, Guido
Ascanio, and M. J. Oppenheimer, 85: 658, 1965

CARDIOSPASM. See Stomach, cardiospasm

CARDIOVASCULAR SYSTEM

See also Aneuryem: Aorta: Arteries: Blood Vessels: Cor-

See also Aneurysm; Aorta; Arteries; Blood Vessels; Coronary Vessels; Heart; Thrombosis; Veins; etc. abnormalities

cardiovascular manifestations of Hurler syndrome: hemo dynamic and angiocardiographic observations in 1-patients (ab), L. Jerome Krovetz et al, 85: 989, 1965 roentgenography

diovascular radiology in calves (ab), B. G. Brogdon et al.,

CAREY, LEWIS S., and EDWARDS, JESSE E.: Roentgene graphic features in cases with origin of both great vesse from the right ventricle without pulmonary stenosis (ab),

from the right ventricle without pulmonary stenosis (ab), 85: 989, 1965
CARLENS, ERIC. See NORDENSTRÖM, BJÖRN
CARLSON, HARLEY C. See VANDERVELDE, GERALD M. CARLSON, ERIK, and LOVE, JACK W.: Lead coating on the tricuspid valve in dogs (ab), 85: 389, 1965
See FRIEDENBERG, MARVIN J.
See HARTMANN, ALEXIS F., Jr.
See SUGG, WINFRED L.
CARLTON, CARTER E., Jr. See GEORGE, FREDERICK W. CARNAHAN, WILLIAM J. See BOUCOT, KATHARINE R. CARTER, C. CONRAD. See HINCK, VINCENT C.
CARTILAGE. See Joints; Knee; Larynx; Sarcoma, chondrosarcoma; etc.

Sarcoma: etc.
CARUTHERS, SAMUEL B., Jr. See CRUMMY, ANDREW B.,

Jr.
CASTELLANOS, AGUSTIN, HERNANDEZ, FRANCISCO A.,
and MERCADO, HERIBERTO G.: Wedge pulmonary
arteriography in congenital heart disease, 85: 838, 1965
CATECHOLAMINES. See Adrenals
CATER, DONALD B., SILVER, IAN A., and WATKINSON, D.
ANNE: Combined therapy with 220 kv roentgen and
10 cm microwave heating in rat hepatoma (ab), 85: 195,

CATHCART, R. T. See FRAIMOW, W. CATHETERS and CATHETERIZATION

See also Angiography; under organs and regions; etc.

-bronchial biopsy in connection with bronchography (ab),
Björn Nordenström and Eric Carlens, 85: 783, 1965

-factitious aortic regurgitation: report of case (ab), Rashid
A. Massumi, 85: 586, 1965

-new instruments for catheterization and angiocardiography,
Björn Nordenström, 85: 256, 1965

echnic

-guided catheterization of bronchial arteries. Part I: Technical considerations, Manuel Viamonte, Jr., Raymond E. Parks, and William M. Smoak, III, 85: 205, 1965

-new method of percutaneous catheterization, Donald T. Desilets and Richard Hofman, 85: 147, 1965

-technic of transseptal catheterization of left atrium, pulmonary veins, and left ventricle in dog, K. Ostergaard Petersen, G. Harrington, Nils Magnus Ohlsson, Guido Ascanio, and M. J. Oppenheimer, 85: 658, 1965

wounds and injuries experimental

perimental coronary arteriography. III. Injuries asso-ciated with selective coronary arteriography, Robert M. Lowman and Colin M. Bloor, 85: 645, 1965

CAUDA EQUINA. See Spinal Cord CAVA, JOSE M. See SMITH, CHARLES J. CAVE, A. J. E. See SCHNEIDER, RICHARD C. CAVE, L., FUSTEC, R., and BASSET, A.: Radiology of leprosy (ab), 85: 793, 195

CEREBELLOPONTINE ANGLE

—Pantopaque examination of cerebellopontine angle, Melvin Shairon and Stephen N. Wiener, 85: 921, 1965 CEREBELLUM

atrophy

-pneumoencephalographic findings in various forms of cere-bellar degeneration, Marjorie LeMay and Artur Ab-ramowicz, 85: 284, 1965

composite filter technic and special patient jig for treatment of whole brain and spinal cord (ab), D. O. Bottrill et al.

-hysterography after cesarean section (ab), James P. Dur-kan, 85: 597, 1965

kan, 85: 597, 1965

CESIUM, radioactive. See Radiocesium

CHAMBERLAIN, DONALD S., WHITAKER, JOANNE, and

SILVERMAN, FREDERIC N.: Idiopathic osteoarthropathy and cranial defects in children (familial idiopathic osteoarthropathy) (ab), 85: 988, 1965

CHAPMAN, EARLE M. See DUNN, JOHN T.

CHASE, NORMAN E., HASS, WILLIAM K., and KRICHEFF, IRVIN I.: New instrumentation for cerebral microangiography, 85: 736, 1965

See LIN, JOSEPH PEN-TZE

See SANCHEZ, G.

CHASSARD, A. See SANTY, P.

CHEMODECTOMA. See Tumors, chemodectoma

CHEMODECEPTOR SYSTEM. See Tumors, chemodectoma

CHIAPPA, S., GALLI, G., LUCIANAI, L., and SERVERINI, A.: Considerations on restoration of the lymphatic circulation after pelvic lymphadenectomy (ab), 85: 1002, 1965 CHICKENPOX

-varicella pneumonia: possible cause of subsequent pul-monary calcification (ab), E. W. Abrahams et al, 85: 381, 1965

See also Heart, abnormalities: see also Heart, abnormalities; Infants, Newborn; Mon-sters; Radiations, Injurious Effects; Tumors, in children;

sters; Radiations, Injurious Enects; Tumors, in considerate.

-chronic vitamin A intoxication during first half year of life: description of 5 cases (ab), Bengt Persson et al, 85: 792, 1965.

-gonadal x-ray dose to children from diagnostic radiographic technics, N. Aspin, 85: 944, 1965.

-histicoytosis X; report of 15 cases in pediatric age group (ab), Rafic E. Melhem et al, 85: 599, 1965.

-medical radiation to children with congenital heart disease (ab), Dennis J. Vince, 85: 606, 1965.

-pediatric postgraduate course, Variety Children's Hospital, Miami Beach, Fla., 85: 771, 1965.

-prognosis of acute hematogenous osteomyelitis and its complications during early infancy after advent of anti-biotics (ab), Bo Lindblade et al, 85: 792, 1965.

cardiovascular system

ardiovascular system
—coarctation of aorta in infancy: detection on chest radiographs, James E. Garman, Robert E. Hinson, and William
R. Eyler, 85: 418, 1965
—dilatation of pulmonary trunk in stenosis of pulmonary
valve and of pulmonary arteries in children (ab), Ivan A.
D'Cruz et al, 85: 386, 1965
—radiological assessment of left atrial size in infants, Henry
Burko and Michael T Gyepes, 85: 1099, 1965
—igsettive system

digestive system

igestive system defecography or anorectal studies in children including cine-fluorographic observations (ab), B. St. J. Brown, 85: 1145, 1965
-incidence of peptic ulcer as determined by radiologic examinations in pediatric age group (ab), Edward B. Singleton and Max H. Faykus, 85: 591, 1995
-water-soluble contrast media in roentgenographic diagnosio of hypertrophic pyloric stenosis in infants, Olga M. Baghdassarian and John J. Vanhoutte, 85: 689, 1965
docrine system

endocrine system
—treatment of hyperthyroidism in children: analysis of 45
patients (ab), M. D. Kogut et al, 85: 1008, 1965
genitourinary tract

genitourinary tract
—clinical and radiological features of urinary infection in
childhood (ab), Jean M. Smellie et al. 85: 396, 1965
growth and development. See also Spine
—supravalvular aortic stenosis: underdevelopment and characteristic facies (ab), Cyrus Farrehi et al. 85: 178, 1965

maculaekatel avate also spine

acteristic facies (ab), Cyrus Farrehi et al. 85: 178, 1995
musculoskeletal system
—intervertebral-disk calcification in childhood: distinct clinical syndrome (ab), Edward J. Eyring et al. 85: 187, 1965
—occipital dysplasia in infancy: early recognition of cranio-vertebral abnormalities, E. Krupff, 85: 501, 1965
—sagittal diameter of lumbar spinal canal in children and adults, Vincent C. Hinck, Carl E. Hopkins, and William M. Clark, 85: 929, 1965

nervous system collateral circulation in cerebrovascular disease in child-hood via rete mirabile and perforating branches of anterior choroidal and posterior cerebral arteries, Norman E. Leeds and Kenneth H. Abbott. 85: 628, 1965 CHILDE otolary -radi CHLOR

Vol. 85

CHLOR CHOLA

CHOLE CHOLE CHOLE CHONI CHONI CHORI CHORI

CHOUL CHRON CHRON -con -lym CHU. F

CHUNC

CHURG CHYLU CICCAF CHYLO CHYLU CINEA

> —fifti --ste -ste -sup

-val CIMMI CIRIC, CISTER

-Par -role CLARK CLARK CLARK

CLASS CLATW

vin

Ab-

ur-

ind

FF.

v:

1.: a-

5 .

ıp. se 1,

ts i-

CHILDREN, nervous system—cont.
—ventricular diverticulum in infantile hydrocephalus (ab),
Lars Granholm and Claes Rådberg, 85: 1135, 1965

Lars Grannoim and Claes Radberg, 85: 1135, 1965

follaryngologic system
—radiology of mastoid disease in infants and children (ab),
R. i. Macpherson and J. S. Dunbar, 85: 1135, 1965

CHLORAMBUCIL. See under names of conditions and organs,
as Cancer, chorionic

CHLORMERODRIN. See Radiomercury

CHOI, JAE KEY, and WIEDEMER, HALL S.: Chyluria:
lymphangiographic study and review of literature (ab),
85: 509. 1965.

CHOLANGIOGRAPHY. See Bile Ducts, roentgenography;

Biliary Tract
CHOLECYSTECTOMY. See Gallbladder, excision
CHOLECYSTOGRAPHY. See Gallbladder, roentgenography
CHOLEGRAPHY. See Bile Ducts
CHOLESTEATOMA. See Tumors, cholesteatoma
CHOLINE BORD SEE Embolism, retinal
CHOLINE and CHOLINE DERIVATIVES

CHOLESTEAN Authorization descriptions of the control of the c

CHOLINE and CHOLINE DERIVATIVES
—coronary angiography during acetycholine-induced cardiac
arrest in dog (ab), Trygve Aakhus and Gudmund Semb,
85: 787, 1965
CHONDRODYSPLASIA. See Achondroplasia
CHONDROSARCOMA. See Sarcoma, chondrosarcoma
CHORDOMA. See Tumors, chordoma
CHORIORETINITIS. See Retinochroriditis
CHOULIARAS, AGAMEMNON. See KOURIAS, BASILE G.
CHRISTOFORIDIS, ANTHIMOS J. See SUTINEN, SEPPO
CHROMIUM
radioactive. See Radiochromium. Padiophysicales.

radioactive. See Radiochromium; Radiophosphorus CHROMOSOMES

See also Leukocytes

-comparison of tritiated thymidine, tritiated water, and co-

-comparison of tritiated thymidine, tritiated water, and co-balt-60 gamma rays in inducing chromosomal aberrations (ab), William C. Dewey et al, 85: 1011, 1965 -lymphangiography and chromosome studies in females with lymphedema and possible ovarian dysgenesis (ab), P. F. Benson et al, 85: 1002, 1965 CHU, FLORENCE C. H. See KAUFMAN, RICHARD J. -See LAUGHLIN, JOHN S. CHUNG, STANLEY M. K., and JANES, JOSEPH M.: Dif-fuse pigmented villonodular synovitis of the hip joint: review of the literature and report of 4 cases (ab), 85: 1146, 1965

CHURG, JACOB. See SELIKOFF, IRVING J.
CHYLURIA. See Urine, chyle
CICCARONE, PIETRO ANGELO. See AGOSTINI, CESARE
CHYLE. See Less

CHYLOTHORAX

—management of pleural effusions and chylothorax in lymphoma, Robert Bruneau and Philip Rubin, 85: 1085, 1965
CHYLURIA. See Urine, chyle
CINEANGIOGRAPHY. See Aortic Valve; Coronary Vessels, roentgenography; etc.
CINEAORTOGRAPHY. See Aortography
CINEROENTGENOGRAPHY
See also Aortic Valve; Aortography; Coronary Vessels, roentgenography; Intestines, motility; Jaws; Larynx, tumors; Neuroradiology; Pharynx, roentgenography; Rectum, physiology; etc.

tumors; Neuroradiology; Pharynx, roentgenography; Rectum, physiology; etc.
—contrast and detail perception in television and ciné systems for medical fluoroscopy (ab), E. W. Webster and R. Wipfelder, 85: 192, 1965
—fith Rochester (N. Y.) symposium on cineradiology, 85: 771, 1965

 771, 1965
 -stereokineradiography. Part I: Perception of motion and depth. Part II: Past attempts, current designs and proposed solutions (ab), Majic Potsaid, 85: 401, 1965
 -stereokineradiography. Part III: Mathematical concepts and models (ab), Majic Potsaid and James Misho, 85: 401, 1965

-superimposed front lens oscillography in cinefluorography, Jose L. Gimenez, Alfred Bove, and Archie Blackstone, 85:

-value of cineradiography in medicine (ab), G. M. Ardran, 85: 400, 1965

85: 400, 1965
CIMMINO, CHRISTIAN V.: Caliber of descending duodenum and upper jejunum in presence of peptic ulcer of stomach or duodenal bulk (ab), 85: 183, 1965
CIRIC, IVAN S. See BUCY, PAUL C.
CISTERNS, SUBARACHNOID

angiographic visualization of subarachnoid cisterns, Law-rence Rosen, William Weidner and William Hanafee, 85: 1, 1965

—Pantopaque examination of cerebellopontine angle, Melvin Shafron and Stephen N. Wiener, 85: 921, 1965

Shafron and Stephen N. Wiener, 85: 921, 1965

—role of transverse arcachoidal membrane within interpenduncular cistern in passage of Pantopaque into cranial cavity, Bernard S. Epstein, 85: 914, 1965

CLARK, MAX D. See EYLER, WILLIAM R. CLARK, WILLIAM M. See HINCK, VINCENT C. CLARKE, JOHN A.: An x-ray microscopic study of the vasa vasorum of the normal human ascending aorta (ab), 85: 901 1665.

CLASSIFICATION. See Computers; Disease, classification;

CLATWORTHY, H. WILLIAM, Jr. See ALLEN, JAMES E. CLAUS, H. G.: Does a striated type of osteopoikilosis exist? (ab). 85: 393, 1965

—post-traumatic osteolysis of outer end of clavicle (ab), Philip Jacobs, 85: 393, 1965 CLEVELAND, RICHARD J. See KAUFFMAN, H. MYRON,

Jr. CLIMIE, A. R. W., and RACHMANINOFF, N.: A ten-year experience with endometrial carcinoma (ab), 85: 801,

CLOUSE, MELVIN E. See FRALEY, ELWIN E.
See LITWIN, S. BERT

COBALT radioactive. See Radiocobalt COBB, G. M., THOMPSON, G. A., and ALLT, W. E. C.: Treatment of basal cell carcinoma of eyelids by radiotherapy (ab), 85: 193, 1965
COBB, RICHARD. See SHAPIRO, ROBERT COCCIDIOIDOSIS

COCCIDIOIDOSIS

—pneumoencephalographic findings in coccidioidal meningoencephalitis (ab), Christos A. Papatheodorou and Paul
Teng, 85: 577, 1965

COCKSHOTT, W. PETER: Angiography of endomyocardial
fibrosis (ab), 85: 1139, 1995

Radiological aspects of Burkitt's tumor (ab), 85: 1145
1995

Radious\_
1965

—See EVANS, K. T.
—See HENDRICKSE, J. P. de V.
—See POCOCK, W. A.
CODING. See Computers; Index
COHEN, PHIN, and GARDNER, FRANK H.: Induction of subacute skeletal fluorosis in a case of multiple myeloma
(ab), 85: 395, 1965

effects

radiologic changes associated with gastric hypothermia, James A. O'Neill, Jr., Eugene C. Klatte, H. William Scott, Jr., and Harrison J. Shull, 85: 95, 1965.
 OLE, LEONARD J. See NOWELL, PETER C.

See also Intestines disease segmental infarction of colon (ab), Richard H. Marshak et al., 85: 790, 1965

ulcerative

-acute dilation in backwash ileitis after ileoproctostomy for ulcerative colitis (ab), David Bryk and Martin Neschis, 85: 996, 1965
-survival following portal venous air embolization: report of case (ab), Harold P. Lazar, 85: 1145, 1965
-toxic dilatation of colon in ulcerative colitis (ab), A. Hemmati, 85: 1144, 1965
-ulcerative colitis in association with diverticular disease of colon, Samuel L. Beranbaum, Madjid Vaghmai, and Elliot COLLINS, VINCENT P. See ADAMS, ROBERT M. COLLOIDS. See RoGUT, M. D. COLLOIDS. See Radiophosphorus ulcerative

COLON

OLON See also Colitis; Gastrointestinal Tract; Intestines blood supply — meandering mesenteric artery of colon (ab), Myron Moskowitz et al, 85: 392, 1965

cancer—calcification in intracranial metastases (ab), D. Gordon Potts and Gerhart T. Svare, 85: 577, 1965

dilatation — megacolon and volvulus in Parkinson's disease, Lawrence H. Caplan, Harold G. Jacobson, Berta M. Rubinstein and Marvin Z. Rotman, 85: 73, 1965 — toxic dilatation of colon in ulcerative colitis (ab), A. Hemmati, 85: 1144, 1905 diseases. See also Colon, parasites — plain abdominal films in colonic disease (ab), J. Halls and Allan Young, 85: 185, 1995 diverticula. See Intestines, diverticula infarction

infarction
—segmental infarction of colon (ab), Richard H. Marshak
et al, 35: 790, 1965
inflammation. See Colitis

parasites

roontgen appearance of schistosomiasis mansoni involving colon, Jose T. Medina, Wm. B. Seaman, Carlos Guzman-Acosta, and Rafael B. Diaz-Bonnet, 85: 682, 1965

pathology
—intestinal motility in man. III. Mechanisms of constipation and diarrhea with particular reference to irritable
colon syndrome (ab), Anders G, Wangel and Donald
J. Deller, 85: 789, 1965
reenigenography. See Intestines, roentgenography
surgery. See Colitis, ulcerative; Colostomy

Surgery. See Control, Manuellery 1985. 400, 1965. Grandner's syndrome (ab), C. J. B. Muller, 85: 400, 1965. Granulomatous colitis: Crohn's disease of colon (ab), Henry D. Janowitz et al, 85: 1144, 1965. volvulus. See Intestines, volvulus.

vieses of lymphography, lymphadenography and color lymphadenography in urology (ab), Elwin E. Fraley et al, 85: 995, 1965 COLOSTOMY

colon examinations in patients with colostomies (ab), Lars Erik Dahl, 85: 791, 1965

COLQUHOUN, J.: Intramural gas in hollow viscera (ab), 85:

COLSTON, J. A. C., Jr. See BROGDON, B. G. COMPRESSION DEVICE. See Radiocobalt, apparatus and COMPUTERS

-- computers

OMPUTERS

-computer analysis and diagnosis of gastric ulcers, William J. Wilson, Arch W. Templeton, Arch H. Turner, Jr., and Gwilym S. Lodwick, 85: 1064, 1965

-computer estimation of dosage of interstitial and intracavitary implants, W. E. Powers, C. R. Bogardus, Jr., William White and Tom Gallagher, 85: 135, 1965

-computers in radiology: a suboptimal utilization (ed), Kenneth D. McGinnis, 85: 968, 1965

-improved radiological classification of diseases (ab), Morris Simon, 85: 1003, 1965

-RADIATE: new concept for computer coding, tsansmitting, storing, and retrieving radiological data, Arch W. Templeton, Gwilym S. Lodwick, and Arch H. Turner, Jr., 85: 811, 1965

NCRETE

CONCRETE

--scattering of uncollimated cobalt 60 gamma radiation by concrete and lead barriers (ab), W. H. Henry and C. Gorrett, 83: 196, 1965.

CONDIT, PAUL T. Sec LEVITT, SEYMOUR H. CONNECTIVE TISSUE

—primary connective tissue tumors of diaphragm (ab), P. Santy et al., 85: 786, 1965.
CONRAY. See Iodine and Iodine Compounds
CONSTANTINIDES, STAM G. See McPEAK, CHARLES J. CONSTIPATION

—intestinal motility in man. III. Mechanisms of constipation and diarrhea with particular reference to irritable colon syndrome (ab), Anders G. Wangel and Donald J. Deller, 85: 789, 1965.

CONTE, ALEXANDER J. See ROUSSELOT, LOUIS M.—camptodaethy (ch.).

-camptodactyly (ab), Guido Currarino and Irvin Waldman, 85: 795, 1965

CONTUSION. See Lungs, wounds and injuries

CONVULSIONS

--enhancement of anticonvulsant action of acetazolamide after head x-irradiation and its relation to blood-brain barrier changes (ab). V. Nair et al, 85: 203, 1965

COOK, J. D., and VALBERG, L. S.: Gastrointestinal absorption, plasma transport, surface distribution, and urinary and fecal exerction of radioactive vitamin B<sub>2</sub>: in iron deficiency (ab), 85: 1157, 1965

COOKE-BROOKE DISEASE. See Intestines, diseases

COOPER, AMIEL G., and BOLANDE, ROBERT P.: Multiple hemangiomas in an infant with cardiac hypertrophy: postmortem angiographic demonstration of the arteriovenous fistulae (ab), 85: 786, 1965

venous fistulae (ab), 85: 786, 1965 COOPER, DAVID A. See BOUCOT, KATHARINE R.

odide

i-odine 125 as radiation source with special emphasis on its applications in medical radiology. I. Theoretical considerations (ab), Per Beronius et al, 85: 1007, 1965
i-odine 125 as radiation source with special emphasis on its applications in medical radiology. II. AgI and CuI as point roentgen sources (ab), Per Beronius et al, 85: 1008, 1008,

COR PULMONALE. See Heart, cor pulmonale
COR TRIATRIATUM. See Heart, abnormalities
CORNELL, STEVEN H.: Calcium in the fluid of mediastinal
bronchogenic cyst: a new roentgenographic finding, 85:

See FISCHER, HARRY W.

abnormalities

conormatures
 anomalous origin of left coronary artery from pulmonary artery: angiographic and pathologic study of case (ab), Harry L. Stein et al, 85: 992, 1965
 coronary arteriography with simultaneous injection of contrast material through two catheters (ab), H. Gremmel,

992, 1965

calcifications of heart (ab), R. Brian Holmes, 85: 583, 1965

- catcheations of near (ab), R. Ditai Hollies, S. Oso, Forder effects of drugs on investigation of coronary circulation in combined use of contrast substances and anticoagulants (ab), V. V. Vasiliera et al, 85: 386, 1965 roentgenography. See also other subheads under Coronary Vessels

Vessels

-coronary angiography during acetylcholine-induced cardiac arrest in dog (ab), Trygve Aakhus and Gudmund Semb, 85: 787, 1965

-coronary arteriography: new method under induced hypotension by pacing experimental and clinical application (ab), Aydin M. Bilgutay et al, 85: 385, 1965

-coronary arteriography: some observations on technic and interpretation (ab), Manuel Viamonte, Jr., et al, 85: 179, 1965

-coronary arteriography with simultaneous injection of con-trast material through two catheters (ab), H. Gremmel, 85: 992, 1965 coronary cineangiography: clinical studies for evaluation in equivocal cases (ab), Robert B. Kalmansohn et al, 85: 586, 1965

experimental coronary arteriography. III. Injuries associated with selective coronary arteriography, Robert M. Lowman and Colin M. Bloor, 85: 645, 1965
 factitious aortic regurgitation: report of case (ab), Rashid A. Massumi, 85: 586, 1965
 percutaneous transaxillary selective coronary angiography, William Weidner, Rex MacAlpin, William Hanafee, and Albert Kattus, 85: 652, 1965
 ORPUS CALLOSUM

Albert Kattus, 85: 652, 1965

CORPUS CALLOSUM

—agenesis of corpus callosum associated with interhemispheric

corrections and associated with internetinispiness are also stated with the internetinispiness of the solution of the solution

ORTICOSTERONE. See Adrenocortical Preparations -tracheobronchial collapse during cough, John E. Rayl, 85;

COUNTERS AND COUNTING

schnic of gamma encephalography using two opposing counters (ab), A. Chevallier and G. Methlin, 85: 805. -technic of

ondylotic myelopathy b), **85:** 783, 1965 (ab), 85: 783, 1965
CRANIOLACUNIA. See Cranium, abnormalities
CRANIOPHARYNGIOMA. See Pituitary Body, tumors

Soe also Head; Sella Turcica; Temporal Bone; etc. -echoencephalography as adjuvant to routine examination of skull: technics and results, Kenneth D. McGinnis and Carl J. Zylak, 85: 291, 1965

Carl J. Zylak, 85: 291, 1965 abnormalities
—calvarial bone defects involving lambdoid suture and neuro-fibromatosis (ab), N. Joffe, 85: 780, 1965
—craniolacunia (ab), Charles E. Shopfner et al, 85: 984, 1965
—dyscephalia mandibulo-oculo-facialis (Hallermann-Streif syndrome) (ab), D. Hoefnagel and K. Benirschke, 85: 984, 1965

-idiopathic osteoarthropathy and cranial defects in children (familial idiopathic osteoarthropathy) (ab), Donald S. Chamberlain et al, 85: 998, 1965

-histiocytosis X: report of 15 cases in pediatric age group (ab), Rafic E. Melhem et al, 85: 599, 1965

(ab), Ranc E. Mehem et al. 85: 599, 1905
pressure in culture arrest caused by acute increase of intracranial pressure: clinical and roentgenological study of 25 cases (ab), O. Heiskanen 85: 173, 1965
—comparative assessment of pneumoencephalography in investigation of cerebral neoplasms and increased intracranial pressure (ab), E. Graeme Robertson, 85: 173, 1965

-some observations on sella in old age and arterial hyperten sion (ab), I. Kelsey Fry and G. du Boulay, 85: 781, 1965

tumors
——epidermoid tumor of skull and brain, David L. Bloom and
Mary F. Keohane, 85: 485, 1965
——Gardner's syndrome (ab), C. J. B. Muller, 85: 400, 1965
CRANLEY, JOHN J. See HAFNER, CHARLES D.
CREATINE AND CREATININE
—creatine metabolism after x-irradiation of rats. II. Direct
and indirect effect of radiation (ab), G. B. Gerber et al,
85: 408, 1965
—high-dosage excretory urography (ab), Gilbert Ross, Jr.,
et al, 85: 597, 1965
—trial of radioisotope renogram (ab), E. S. Garnett, 85: 602,
1965

CRISTOFORI, FRED C., and DUNCAN, GARFIELD G.:
Effect of new orally administered cholecystographic compound on the I<sup>131</sup>-tri-iodothyronine red-cell-uptake test of thyroid function (ab), 85: 198, 1985
CROHN'S DISEASE. See Intestines, diseases
CROMPTON, M. R.: Pathogenesis of cerebral infarction following the rupture of cerebral berry aneurysms (ab), 85: 379, 1065

ing the rupture of cerebral berry aneurysms (ab), 85: 3/9, 1905.

CRONKITE, E. P. See FLIEDNER, T. M.
CRUMMY, ANDREW B., Jr., ATKINSON, R. JAMES, and CARUTHERS, SAMUEL B., Jr.: Congenital renal arteriovenous fistulas (ab), 85: 1033, 1965.

CRUZ, OSWALDO RICCIARDI. See ZACLIS, JOSÉ CRYPTOCOCCOSIS. See Torulosis

CSÁKÁNY, GYÖRGY. See ÁRVAY, ATTILA
CULLHED, INGEMAR: Aortic stenosis: a clinical study of aortic stenosis, isolated or combined with aortic insufficiency, with special reference to haemodynamic and angiocardiographic observations (ab), 85: 1140, 1965.

CURRARINO, GUIDO, and WALDMAN, IRVIN: Campto-CURRY, THOMAS S., III. See BONTE, FREDERICK J.
CYSTEINE. See Cystine and Cysteine
CYSTIC FIBROSIS. See Pancreas, diseases
CYSTINE AND CYSTEINE

CYSTIC FIBROSIS. See Proceeding CYSTINE AND CYSTEINE --influence of fractionated x-irradiation on intestine of rats protected by cysteine and partial-body shielding (ab), M. F. Sullivan and R. C. Thompson, 85: 407, 1965 CYSTITIS GLANDULARIS. See Bladder, mucosa

DAHL, DALLE

Vol. 85

DAMM D'ANG

> DANZI DAVID

DAVIES DAVIS, DAVIS, D'CRU2 -LE

DEE, P. DEFEC DEGLU

DEARM

-rece disord diffi

—post DELAH he

-See -and

DENSIT DENT, O -SM DERMA

DESGRI DESILE

DESOXY DESPRE

DESMO

gr 85

M.

hid

by 01.

35 :

5:

up

n-ly

n-

ad

r., 2. CYSTS. See under organs and regions, as Bronchi, cysts CYTOSTATICS. See Lungs, cancer

DAHL, LARS ERIK: Colon examinations in patients with colostomies, (ab), 35: 791, 1965
 DALLEY, VERA M.: The place of radiotherapy in the treatment of tumors of the base of the tongue (ab), 85: 797, 1965

797, 1965 DAMANSKI, M.: Vesico-ureteric reflux in paraplegia (ab), 85: 1147, 1965 DAMMANN, J. FRANCIS, JR. See McGUIRE, LOCK-HART B.

D'ANGIO, GULLIO J., MITUS, ANNA, and EVANS, AUDREY E.: Superior mediastinal syndrome in children with cancer (ab), 85: 1151, 1965. DANZIG, LEONARD S. See LOEBEL, ARTHUR S.

cancer (ab), 85: 1151, 1965
DANZIG, LEONARD S. See LOEBEL, ARTHUR S.
DATA. See Computers
DAVID. R. See PATERSON, D. E.
DAVID ANDERSON-BERRY MEDAL (1966)
—award for recent work on effects of x rays and other forms
of radiation on living tissue, 85: 1131, 1965
DAVIDSON, ALAN J., ABRAMS, HERBERT L., and STAMEY,
THOMAS A.: Renal extraction of PAH in man following
abdominal aordegraphy, 85: 1043, 1965
DAVIES, PAGET. See ORAM, SAMUEL
DAVIS, GEORGE D. See BROWN, RICHARD
—See KOTTKE, BRUCE A.
DAVIS, LAWRENCE A. See LICH, ROBERT, Jr.
DAVIS, RICHARD L. See LAMPERT, PETER W.
DCRUZ, IVAN A., ARCILLA, RENE A., and AGUSTSSON,
MAGNUS H.: Dilatation of the pulmonary trunk in
stenosis of the pulmonary valve and of the pulmonary
arteries in children (ab), 85: 386, 1965
—LENDRUM, BESSIE L., and NOVAK, GERTRUDE:
Congenital absence of the pulmonary valve (ab) 85:
584, 1965
DEARMAN, LAMES R. See MINTON, 10HN PETER

DEARMAN, JAMES R. See MINTON, JOHN PETER

DEBAMAN, JAMES R. See MINTON, JOHN PETER
DEBONNIERE, C. See GARRETA, L.
DEBRUN, G., LEFEBVRE, J., and Le GAL, J.: Craniopharyngiomas of children: clinico-anatomic and radiologic correlations (ab), 85: 781, 1965
DECHAUME, J. P. See BUFFARD, DECKER, CLARENCE F., KASPAR, LILLIAN V., and NORRIS, WILLIAM P.: The variation of strontium metabolism with age in the dog (ab), 85: 405, 1965
DEE, P. M.: Benign hypertrophy of the masseters: a report of the radiological features in two cases (ab), 85: 579, 1965
DEFECOGRAPHY. See Rectum, physiology
DEGLUTTITION

DEGLUTITION

deglutition by normal and anencephalic fetuses (ab), Jack A. Pritchard, 85: 1157, 1965

cent cinefluorographic advances in palatopharyngea roentgenography (ab), Robert F. Sloan et al. 85: 380,

disorders —diffuse esophageal spasm: clinical, radiological, and mano-metric observations (ab), Harold P. Roth and Bertram Fleshler, 85: 390, 1965

metric observations (ab), Harold P. Roth and Bertram Fleshler, 85: 390, 1965

-postericoid impression on esophagus (ab), R. G. Pitman and G. M. Fraser, 85: 788, 1965

DEKKER, A. See MEHRIZI, A. BELAHAYE, R. P., WEBER, A., Le GOUAS, J. J., and PINET, C.: Localized post-traumatic fibrous osteopathy of the tibia. (Localized post-traumatic pagetoid reshaping of J. A. Lievre) (ab), 85: 795, 1965

—See GARRETA, L. BELANEY, JOHN P. See MURRAY, M. JOHN DELLER, DONALD J.: Iron<sup>19</sup> absorption measurements by whole-body counting: studies in alcoholic cirrhosis, hemochromatosis, and pancreatitis (ab), 85: 1158, 1965

—See WANGEL, ANDERS G.: Intestinal motility in man. I. A study combining the use of intraluminal pressure recording and cineradiography (ab), 85: 789, 1965

DEMECOLCINE. See Bronchi, cancer
BENSITOMETRY. See Roentgenograms

DENT, C. E., and NORMAND, I. C. S.: Metaphysial dysostosis, type Schmid (ab), 85: 186, 1965

—SMELLIE, JEAN M., and WATSON, L.: Studies in osteopetrosis (ab), 85: 998, 1965

DERMATITIS exfoliative

DERMATITIS

exfoliative

-x-ray contamination in total-skin electron therapy of lymphoma cutis and exfoliative dermatitis, J. H. Grollman, Jr., Stanley M. Bierman, J. E. Morgan, and Richard E. Ottoman, 85: 356, 1965

DESGREZ, A., RAYNAUD, C., and KELLERSHOHN, C.: Neohydrin Hgi<sup>13</sup> and renal scintiscanning (ab), 85: 199, 1965

DESILETS, DONALD T., and HOFFMAN, RICHARD B.: New method of percutaneous catheterization, 85: 147, 1965

DESMONS, M., and RAMIOUL, H.: Perilymphatic spread of a melanoma of the foot after lymphography: a case report (ab), 85: 389, 1965

DESONYRIBONUCLEIC ACID. See Nucleins

DESPREZ-CURELY, J. P., BISMUTH, V., and BOURDON, R.: Idiopathic hypoproteinemia and steatorrhea: lymphographic demonstration of lymphointestinal fistula (ab), 85: 790, 1965

—See BERNAGEAU, J.
DeSTEFANO, GEORGE A. See BROWN, OWEN L.
DETECTORS

DETECTORS

—semiconductor detectors for nuclear medicine and biology
(ab), Stephen S. Friedland et al, 85: 1006, 1965

DETTORI, P. See RUGGIERO, G.

DEUCHAR, D. C. See CAMPBELL, MAURICE

DEUPMANN, F. J. See EFFERT, S.

DeWEERD, JAMES H. See MALDONADO, JORGE E.

DEWEY, WILLIAM C., HUMPHREY, RONALD M., and
JONES, B. ANN: Comparison of tritiated thymidine,

tritiated water, and cobalt-60 gamma rays in inducing
chromosomal aberrations (ab), 85: 1011, 1965

DEXTROCARDIA. See Heart, displacements

DEXTROCARTION. See Heart, abnormalities

DIABETES INSIPIDUS

—ectopic pinealoma: radiocurable neuroendocrinologic entity
Philip Rubin and Simon Kramer, 85: 512, 1965

DIAPHRAGM

tumors

tumors
— primary connective tissue tumors of diaphragm (ab), P. Santy et al, 85: 786, 1965
DIARRHEA

DIARRIESA

-intestinal motility in man. III. Mechanisms of constipation and diarrhea with particular reference to irritable
colon syndrome (ab), Anders G. Wangel and Donald J.
Deller, 85: 789, 1965

DIATHERMY

DIATHERMY
—combined therapy with 220 kv roentgen and 10 cm microwave heating in rat hepatoma (ab), Donald B. Cater et al, 85: 195, 1965

DIATRIZOATE. See Iodine and Iodine Compounds DIAZ-BONNET, RAFAEL B. See MEDINA, 10SE T. DI CHIRO, GIOVANNI, and FISHER, ROBERT L.: Contrast radiography of the spinal cord (ab), 85: 395, 1965
—and NELSON, KARIN B.: Soft tissue radiography of extremities in neuromuscular disease with histological correlations (ab), 85: 794, 1965

DICKSON, ROBERT J. See FABRIKANT, JACOB I. DICTIONARIES

DICTIONARIES
See also Encyclopedias
—Dorland's illustrated medical dictionary, 24th ed. (bk. rev.), 85: 974, 1965
DIETHYLSTILBESTROL. See Estrogens
DILLON, JAMES R. See GEORGE, FREDERICK W. DIMETHYL-BENZANTHRACENE. See Radiobiology, cancer

tumor studies
DIODRAST. See Iodine and Iodine Compounds
DIOSY, ANDREW. See HIGGINS, H. PATRICK
DISEASE

classification.

SE iffication. See also Computers proved radiological classification of diseases (ab), Morris Simon, 85: 1003, 1965

A., and Van de BERG, A.: Radiologic aspects of nontuberculous spondylitis of the adult (ab), 85: 594, 1065 DHAN. A..

DNA (desoxyribonucleic acid). See Nucleins
DOCKRAY, KARL T., BURNS, ROBERT R., and MOORE,
JOHN: Capnohepatography: intravenous retrograde
gas angiography of liver veins with carbon dioxide, 85:

740, 1965 DOLKART, R. E. See BREWER, J. I.

DOLKART, R. E. See BREWER, J. I.

De DOMINICIS, R., PELÜ, G., GIANNARDI, G. F., GAS-PARI, F., NORI BUFALIMI, G., and GERLI, P.:
Evaluation of various angiographic methods in the study of tumors of the female genital organs (ab), 85: 1002, 1965
DONNELLY, GEORGE L. See VANDENBERG, RUSSELL
DONOHOE, ROBERT F. See MASSUMI, RASHID A.
DONOVAN, JOHN C., LUND, CURTIS J., and WHALEN,
LORAINE: Simultaneous determinations of blood volumes using Evans blue and sodium radiochromate (ab), 85: 104, 1965
DOOLITTLE, KENNETH H.: Radioisotope renogram in polycystic kidney disease (ab), 85: 1009, 1965
DOPPMAN, JOHN. See SHAPIRO, ROBERT
DOSIMETERS
See also Counters and Counting; Dosimetry; Radiobiology;

See also Counters and Counting; Dosimetry; Radiobiology; efc

etc.
-normalization of clinical gamma radiation exposure measure-ments in Sweden (ab), R. Thoraeus, 85: 1006, 1965
-possible errors in ferrous sulfate dosimeter, A. F. Holloway and G. Froese, 85: 729, 1965
DOSIMETRY

and G. Frose, 85: 729, 1965

OSIMETRY

See also Dosimeters; Radiobiology, dosage studies; Radiocobalt; Radiotherapy
—calculated absorbed dose for electrons (ab), N. D. Kessaris, 85: 403, 1965
—calculation of absorbed dose in soft-tissue cavities in bone irradiated by x-rays (ab), J. L. Howarth, 85: 804, 1965
—clinically useful calculations of dose distribution from multiple radiation sources, Robert M. Adams, Mary Peterson, Vincent P. Collins, Philip T. Hudgins, and Priscilla Gibbs, 85: 361, 1965
—computer estimation of dosage of interstitial and intracavitary implants, W. E. Powers, C. R. Bogardus, Jr., William White and Tom Gallagher, 85: 135, 1965
—dependence of build-up ratio on field size and source-surface distance, Thomas Ashton, Jiri Zamecnik, 85: 956, 1965
—depth-dose tables for 6 Mv x rays for use with constant source-lesion distance, Herman R. Haymond and James K. Ashikawa, 85: 143, 1965

DOSIMETRY-cont.

Getron-beam treatment planning in inhomogeneous tissue, J. S. Laughlin, A. Lundy, R. Phillips, F. Chu, and A. Sattar, 85: 524, 1965

pithermal" neutron beam isodose charts in phantom head, R. G. Fairchild, 85: 555, 1965

head, R. G. Fairchild, 85: 555, 1965

high-energy-electron treatment planning for inhomogeneities

(ab). John S. Laughlin, 85: 1005, 1965

revised average geometric factors for cylinders in isotope
dosage. Part I, Elizabeth F. Focht, Edith H. Quimby
and Martin Gershowitz, 85: 151, 1965

scattered radiation in phantom from diagnostic quality
radiation, E. Dale Trout and John P. Kelley, 85: 546,

Jr., Stanley M. Bierman, J. E. Morgan, and Richard E. Ottoman, 85: 356, 1965.

DOSNE de PASQUALINI, C. See HOLMBERG, E. A. D. DOTTER, CHARLES T., and JUDKINS, MELVIN P.: Transluminal treatment of arteriosclerotic obstruction: description of a new technic and a preliminary report of its application (ab), 85: 388, 1965.

See FARREHI, CYRUS

DOUB, HOWARD P.

—resigns as Editor of RADIOLOGY (ed), 85: 1124, 1965.

DRAKE, C. G. See ALLCOCK, J. M.

DRUGS. See Radiomimetic Drugs; under names of individual drugs, as Chlorambucil

DRIOS. See Radiomimetic Drugs; under names of individual drugs, as Chlorambucil
du BOULAY, G., and MONSON, E. M.: Telecine technique applied to neuroradiology (ab), 85: 400, 1965

—See FRY, I. KELSEY
DUCOTE, MARTIN. See ELLIOTT, JOHN P., Jr.
DUCTUS ARTERIOSUS

—Morquio's disease: radiologic and morphologic study (ab), Eric A. Schenk and James Haggerty, 85: 593, 1965

DUFOUR, H. See VOOG, R.
DULCOLAX. See Intestines, roentgenography
DUMPING SYNDROME. See Stomach, surgery
DUMBAR, J. S. See MACPHERSON, R. I.
DUNCAN, GARFIELD G. See CRISTOFONI, FRED C.
DUNMORE, LAWRENCE A., Jr., and EL-KHOURY, SAMI
AYOUB: Eosinophilic granuloma of the lung: a report of three cases in Negro patients (ab), 85: 382, 1965

DUNN, JOHN T., and CHAPMAN, EARLE M.: Rising incidence of hypothyroidism after radioactive-iodine therapy in thyrotoxicosis (ab), 85: 404, 1965

DUNPHY, J. ENGLEBERT. See FLETCHER, WILLIAM S. DUODENUM
abnormalities

abnormalities

-extrinsic pressure defects on duodenal loop in mesenteric occlusive disease, Stanley Baum, George N. Stein, and Arthur Baue, 85: 866, 1965

-gastrointestinal bleeding associated with carcinoid tumor of duodenum (ab), Arthur S. Loebel et al, 85: 183, 1965

duodenum (ab/, at all ab/), and and upper jejunum in presence of peptic ulcer of stomach or duodenal bulb (ab), Christian V. Cimmino, 85: 183, 1965

(ab), Christian V. Cimmino, 85: 183, 1965
roentgenography
—anticholinergic drug (5579 M.D.-priamide) in radiology of
digestive tract (ab), C. Guien, 85: 185, 1965
—x-ray examination of the stomach, 2d ed (bk rev), Frederic
E. Templeton, 85: 572, 1965
ulcer. See Peptic Ulcer
DUQUESNEL, C. See BRET, P.
DURKAN, JAMES P.: Hysterography after cesarean section
(ab), 85: 597, 1965
USEK, J. See ROCEK, V.
DWARFIS D.

DWARFISM See also Bones, growth

syndrome) (ab), D. Hoefnagel and K. Benirschke, 85: -dyscephalia

DWYER, JAMES J. See KAUFFMAN, H. MYRON, Jr. DYKHUIZEN, ROBERT F. See GEORGE, FREDERICK W. DYSCEPHALIA, MANDIBULO-OCULO-FACIALIS. See Face,

DYSCHONDROPLASIA

See also Achondroplasia
—Morquio's disease: radiologic and morphologic study (ab),
Eric A. Schenk and James Haggerty, 85: 593, 1965
DYSCHONDROSTÉOSE. See Bones, growth
DYSOSTOSIS, METAPHYSEAL. See Bones, growth
DYSPHAGIA. See Deglution, disorders
DYSPHAGIA. See Deglution, disorders
DYSPLASIA, EPIPHYSIAL. See Epiphyses
DYSPLASIA, OCCIPITAL. See Atlas and Axis
DYSPLASIA, SPONDYLOEPIPHYSIAL. See
DYSPLASIA, SPONDYLOEPIPHYSIAL. See
DYSTROPHY. PULLMONARY

DYSTROPHY, PULMONARY. See Emphysema, pulmonary

EAR

See also Mastoid

internal normal internal auditory canal (ab), Galdino E. Valvassori and Robert H. Pierce, 85: 578, 1965 middle. See Otitis Media

tumors—radiology of mastoid disease in infants and children (ab), R. I. Macpherson and J. S. Dunbar, 85: 1135, 1965
EBSTEIN'S ANOMALY. See Tricuspid Valve
ECHINOCOCCOSIS. See Pleura
ECHOENCEPHALOGRAPHY. See Ultrasounds
ECTASIA, PRECALYCEAL CANALICULAR. See Kidneys,

cysts

EDELMAN, ALAN H., HOLTZ, SUMNER, and POWERS

W.E.: Rapid radiotherapy for inoperable carcinoma of
the breast: benefits and complications (ab), 85: 1150,

EDEMA. See ee Legs; Lymphatic System

DITORIALS
Computers in radiology: a suboptimal utilization, Kenneth
D. McCinnis, 85: 968, 1965
Current plight of the academic department of radiology,
Theodore E. Keats, 85: 743, 1965
Fifty-first Annual Meeting, the Radiological Society of North
America, Robert D. Moreton, 85: 568, 1965
Museum of Radiology, M. H. Poppel, 85: 153, 1965
Past and future of organ transplantation, Thomas E. Starzl
and Thomas L. Marchioro, 85: 369, 1965
Radiology—a twenty-five year review, Howard P. Doub, 85:
1124, 1965

1124, 1965
EDLING, NILS P. G.: End-differentiation of bone sarcomas

relation to tumour distribution and patient age (ab), 85:

EDMUNDS, L. H., Jr. See NEBESAR, R. A.
EDMUNDS, ROBERT, RUCKER, CHARLES, and FINBY,
NATHANIEL: Intravenous cholangiography used in
postcholecystectomy biliary tract disease (ab), 85: 792,

DUCATION

See also Picker Foundation

-current concepts in angiographic diagnosis, postgraduate course, Cleveland Clinic Foundation, 85: 1130, 1965

-current plight of the academic department of radiology (ed), Theodore E. Keats, 85: 743, 1965

-current status of skeletal roentgenology, University of Miami Fourth Postgraduate seminar, 85: 1130, 1965

-fifth Rochester (N.Y.) symposium on cineradiology, 85: 771, 1965

—fith Rochester (N.Y.) symposium on cineradiology, 85: 771, 1965
—Hodgkin's disease symposium, 85: 771, 1965
—Los Angeles Radiological Society Midwinter Radiological Conference, 85: 971, 1965
—neuroradiology postgraduate course, Albert Einstein College of Medicine, 85: 1130, 1965
—pediatric postgraduate course, Variety Children's Hospital, Miami Beach, Fla., 85: 771, 1965
—Postgraduate Course, Emory University, Radiology of Bone and Joint Diseases, 85: 159, 1965
—San Francisco Cancer Symposium (I), 85: 972, 1965
—teaching and learning radiology, Roscoe E. Miller, 85: 1058, 1965
—University of Pennsylvania, Carl V. S. Patterson Chair,

Teaching and Tearing Factiongly, Roscoe E. Miller, 83: 1058, 1965

-University of Pennsylvania, Carl V. S. Patterson Chair, 85: 772, 1965

-University of Pittsburgh postgraduate course: advances in radioactive scanning, 85: 374, 1965

EDWARDS, D. N.: Complications following megavoltage radiation for carcinoma of the bladder (ab), 85: 803, 1965

EDWARDS, J. M. See JANTET, G. H.

EDWARDS, J. See JANTET, G. H.

EDWARDS, J. SESE E. See CAREY, LEWIS S.

See ELLIOTT, LARRY P.

See GRONDIN, CLAUDE

See KANJUH, VLADIMIR I.

See MOLLER, JAMES H.

EDWARDS, TED L., Jr. See PAUL, ROBERT E., Jr.

EECKELS, R., VINCENT, J., and SEYNHAEVE, V.: Bone

DWARDS, TED L., Jr. See PAUL, ROBERT E., Jr. EECKELS, R., VINCENT, J., and SEYNHAEVE, V.: Bone lesions due to smallpox (ab), 85: 593, 1965

EFFERT, S., BLEIFELD, W., DEUPMANN, F. J., and KARIT-SIOTIS, J.: Diagnostic value of ultrasonic cardiography (ab), 85: 582, 1965

EFFUSIONS. See Pericarditis, with effusion; Pleurisy, with effusion

effusion

EHLERS, KATHRYN H. See STEIN, HARRY L.

EHLING, U. H.: Strain variation in reproductive capacity and radiation response of female mice (ab), 85: 408, 1965

EICHHORN, RALPH D.: Radiation treatment in reflux esophagitis (ab), 85: 601, 1965

EISEMAN, BEN. See BRYANT, LESTER R.

EISEN, HOWARD B. See BRYANT, LESTER R.

EISEN, HOWARD B. See BRYON, KLAUS M.

EKENGREN, KRISTINA, REUTERSKIÖLD, A., and SÖDERLUND, S.: Pre- and postoperative appearances of splanchnic veins in children with portal hypertension (ab), 85: 1142, 1965

See LINDBLAD, BO

splanchnic veins in children with portal hypertension
(ab), 85: 1142, 1965
—See LINDBLAD, BO
—See PERSSON, BENGT
EKHOLM, JAN, ERIKSON, UNO, and SKOGLUND, STEN:
An improved method for experimental angiography (ab),
85: 388, 1965
EKLOF, OLE: Roentgenologic findings in sacrococcygeal
teratoma (ab), 85: 794, 1965
ELBOW

—anomalous antecubital bone of elbow (ab), Irwin D. Zim and Arch W. Templeton, 85: 999, 1965 wounds and injuries

injury to throwing arm: study of traumatic changes in elbow joints of boy baseball players (ab), Joel E. Adams,

ELECT -cale —elec

Vol. 85

ELECTI

-cha (i -tiss

-ind -x-r

EL-KAN BLLIO

ELECT

ELLIO

ELLIS, ELLIS, ELLIS

> pulm -ch

> > -di

-lu

chole

-pt retir

-ef

EMP

EMBE

inte —in med

-ir

r 1968

(ab),

lneys, ERS. 1150

neth logy. North

tarzi . 85: 85:

BY.

uate ed).

of 85:

ical tein

tal.

85 ir. ces

th

ELECTRIC SHOCK. See Shock ELECTROLYTES

IECTROLYTES
—changes in electrolyte balance in gastrointestinal syndrome
(ab), Z. Zzebök and Gy. Petrányi, Jr., 85: 204, 1965
—tissue distribution of electrolytes, Ca<sup>47</sup>, and Mg<sup>28</sup> in acute
hypercalcemia (ab), Stanley Wallach et al, 85: 196, 1965

Negretatema (ab), Stanley Wanach et al, 85: 190, 1905

See also Linear Accelerator

-calculated absorbed dose for electrons (ab), N. D. Kessaris,
85: 403, 1965

-electron-beam treatment planning in inhomogeneous tissue,
J. S. Laughlin, A. Lundy, R. Phillips, F. Chu, and A.
Sattar, 85: 524, 1965

-high-energy-electron treatment planning for inhomogeneities (ab), John S. Laughlin, 85: 1005, 1965

-indications for high-speed electron therapy (ab), P. M.
Van Vaerenbergh and K. Schelstraete, 85: 403, 1965

-xray contamination in total-skin electron therapy of
lymphoma cutis and exfoliative dermatitis, J. H. Grollman, Jr., Stanley M. Bierman, J. E. Morgan, and Richard
E. Ottoman, 85: 356, 1965

RIECTROTHERAPY

ELECTROTHERAPY
—pulmonary edema following treatment of arrhythmias by direct-current shock (ab), Leon Resnekov and Lawson McDonald, 85: 1137, 1985.

ELIASHOF, PAMELA A. See HARDING, CLIFFORD V. ELKAN, IVAN. See HIGGINS, H. PATRICK
EL-KHOURY, SAMI AYOUB. See DUNMORE, LAWRENCE

A., Jr. BLIOTT, JOHN P., Jr., DUCOTE, MARTIN, and SCHLEGEL, JORGEN U.: Vasoseminal vesiculography as a diagnostic aid in prostatic and seminal vesicle disease (ab), 85: 399, 1965

1965
ELLIOTT. LARRY P., GEDGAUDAS, EUGENE, LEVY, MORRIS J., and EDWARDS, JESSE E.: Roentgenologic findings in left ventricular-right atrial communication (Liab, 85: 996), 1965
ELLIS, KENT, GRIFFITHS, SYLVIA P., BURRIS, JOHN O., RAMSAY, G. CRAIG, and FLEMING, RICHARD J.: Ebstein's anomaly of the tricuspid valve: angiocardio-graphic considerations (ab), 85: 585, 1965
ELLIS LE GRANDE C. See BERLINER, DAVID L. ELLISON, EDWIN H. See AMBERG, JOHN R. ELLISON-ZOLLINGER SYNDROME. See Peptic Ulcer EMBOLISM

EMBOLISM

tholesterol. See Embolism, retinal fat. See Embolism, pulmonary; Embolism, retinal portal

pulmonary

ulmonary

-angiographic diagnosis of acute pulmonary embolism (ab),

Lars Björk and Tamnit Ansusinha, 85: 1142, 1965

-changes in pulmonary function due to lymphangiography,

W. Fraimow, S. Wallace, P. Lewis, R. R. Greening, and

R. T. Cathcart, 85: 231, 1965

-diagnosis of pulmonary embolism by radioisotope scanning

(ab), David C. Sabiston, Jr., and Henry N. Wagner, Jr.,

85: 198, 1965

-lung scanning with radioiodinated traccommentary of

long scanning with radioiodinated macroaggregates of human serum albumin (ab), Leonard Rosenthall, 85: 1158, 1965

-pulmonary changes in malignant trophoblastic disease (ab), K. T. Evans et al, **85**: 1138, 1965 retinal

retinal embolism as complication of angiography: possible role of platelet and cholesterol emboli (ab), H. F. W. Pribram and C. M. Couves, **85**: 985, 1965

See also Fetus; Monsters; Radiations, Injurious Effects;

See also Fetus; Monsters; Radiations, Injurious Effects; Radiobiology -effects of ionizing radiation on embryo and fetus: review of experimental data (ab), E. V. Hulse, 85: 607, 1965 -osseous changes in rubella embryopathy (congenital rubella syndrome), Jack G. Rabinowitz, Bernard S. Wolf, Elliot I. Greenberg, and Aaron R. Rausen, 85: 494, 1965 EMPHYSEMA

interstitial

rintramural gas in hollow viscera (ab), J. Colquhoun, 85: 797, 1965

mediastinal

extrapleural air sign in pneumomediastinum, Richard L. Lillard and R. Parker Allen, 85: 1093, 1965 -spontaneous pneumomediastinum in newborn infant (ab), J. Sauvegrain et al, **85**: 581, 1965

pulmonary
—congenital lobar emphysema: case report of bilateral involvement (ab), Romulus L. May et al, 85: 381, 1965
—correlation between radiological diagnosis and structural
lung changes in emphysema (ab), Lynne Reid and F. J.
C. Millard, 85: 177, 1965
—interalveolar air drift, Stanley B. Reich and Jacob Abouav,
85: 80, 1965

85: 80, 1965
—neonatal focal hyperaeration of lungs (Wilson-Mikity syndrome), Herman Grossman, Walter E. Berdon, Abraham Mizrahi, and David H. Baker, 85: 409, 1965—pulmonary dystrophy of vanishing lung type (ab), H. Brocard et al, 85: 1136, 1965

-radiology and emphysema (ab), George Simon, 85: 177,

--roentgenologic criteria for recognition of nonsymptomatic pulmonary emphysema: correlation between roentgeno-logic findings and pulmonary pathology (ab), Seppo Sutinen et al, 85: 784, 1965 --unusual benign and malignant sequelae to childhood radia-tion therapy, including "unilateral hyperlucent lung" (ab), Walter E. Berdon et al, 85: 1161, 1965
ENCEPHALITIS
See also Meniproconcephalitis

See also Meningoencephalitis
radiologic findings in acute necrotizing encephalitis, John L.
Howieson, Alfonso Escobar, and Rocca Garofalo, 85:
298, 1965

298, 1965
ENCEPHALOCELE. See Brain, hernia
ENCEPHALOGRAPHY. See Brain, roentgenography ENCYCLOPEDIAS

See also Dictionaries

See also Dictionaries

-encyclopedia of medical radiology. Vol. 10: Roentgen diagnosis of the heart and blood vessels, (bk rev) ed. by O. Olsson, F. Strnad, H. Vieten, and A. Zuppinger, 85: 973, 1965

ENDO, MINORI. See KISHIMOTO, TAKASHI ENDOCARDIUM. See Heart ENDOCRINE GLANDS. See under names of glands ENDOMETRIUM. See Uterus, Cancer ENDOMYOCARDIAL FIBROSIS. See Heart, fibrosis ENDOMYOCARDIAL FIBROSIS. See Intestines, roentgenography

ENGE, I., and FRIMANN-DAHL, J.: Radiology in acute abdominal disorders due to Meckel's diverticulum (ab), 85: 184, 1965

ENGE, IVAR P. See KEATS, THEODORE E. ENGLANDER, C. L. S. See KUROHARA, S. S. ENGSTROM, L. L. See WITCOFSKI, R. L. EOSINOPHILS

-eosinophilia after exposure to ionizing radiation (ab), S. S.

—eosinophilia after exposure to ionizing radiation (ab), S. S. Kurohara et al. 85: 406, 1965 —eosinophilic granuloma. See Granuloma, eosinophilic proprior de Granuloma, eosinophilic EPIDERMOID. See Brain, tumors; Cranium, tumors EPIDERMOID. See Brain, tumors; Cranium, tumors

EPILEPSY
complications and sequels
—pulomary edema following an epileptic seizure (ab), H.
Constance Bonbrest, 85: 783, 1965
EPINEPHRINE. See Adrenal Preparations

EPIPHYSES

 spondyloepiphysial dysplasia tarda: 4 cases in childhood and adolescence, and some considerations regarding platyspondyly, Nathan Poker, Nathaniel Finby, and Reginald M. Archibald, 85: 474, 1965
 EPITHELIOMA. See Pharynx, cancer
 EPSTEIN, BERNARD S.: Role of a transverse arachnoidal membrane within the interpeduncular cistern in the passage of Pantopaque into the cranial cavity, 85: 914, 1965

1965
—and KOLKER, PAUL: Congenital variations in cephalobrachial vessels in anencephaly (ab), 85: 983, 1965
ERIKSON, UNO. See EKHOLM, JAN
ERYTHROBLASTOSIS, FETAL
—carbon dioxide and horizontal fluoroscopy in intrauterine
fetal transfusions, William Hanafee and Richard Bashore ERYTHROCYTES 1965

ERYTHROCYTES

See also Anemia; Polycythemia

—effect of erythropoietic stimulation on marrow distribution in man, rabbit and rat as shown by Fe<sup>33</sup> and Fe<sup>32</sup> (ab), Donald Van Dyke et al. 85: 197, 1965
—effect of new orally administered cholecystographic compound on I<sup>33</sup>-Iri-iodothyronine red-cell-uptake test of thyroid function (ab). Fred C. Cristofori and Garfield G. Duncan, 85: 198, 1965
—simplified combined Fe<sup>32</sup>-Cr<sup>31</sup> method for erythrokinetic investigations (ab), Th. Schnider et al. 85: 197, 1965
ESCHER, GEORGE C. See KAUFMAN, RICHARD J. ESCOBAR, ALFONSO. See HOWIESON, JOHN L. SPOPHAGUS
See also Deglutition: Hagging discussions.

SOPHAGUS
See also Deglutition; Hernia. diaphragmatic
—new technic for detection of left-to-right cardiac shunts by use of esophageal Geiger-Muller tube (ab). Gordon H. Ira, Jr., and Edward S. Orgain, 85: 1008, 1965
—roentgenologic features of esophagus in old age (ab), M. I. Rotenberg, 85: 182, 1965
abnormalities. See also Stomach, cardiospasm
—etiology of "sideropenic" web (ab), L. M. Blendis et al, 85: 985, 1965
abcess.

abscess anscess
—intramural esophageal abscess (ab), Ivan Lichter and John
Borrie, 85: 1143, 1965
achalasia. See Stomach, cardiospasm

cercinoma of esophagus: therapeutic results using su-per-voltage technics (ab), L. W. Brady et al, 85: 1004, 1965

-preoperative x-ray therapy in cancer of the esophagus, E. Quitman Seymour and Harold S. Pettit, **85**: 952, diverticula

diverticula—calcium in fluid of mediastinal bronchogenic cyst; new roent genographic finding, Steven H. Cornell, 85: 825, 1965—pulsion diverticula of midthoracic esophagus (ab), Sam W. Law and John W. Overstreet, 85: 391, 1965 hernia. See Hernia, diaphragmatic

ESOPHAGUS-cont.

SOPHAGUS—cont.
inflammation
—radiation treatment in reflux esophagitis (ab), Ralph D.
Eichhorn, 85: 601, 1965
mucosa. See other subheads under Esophagus
reflux. See Esophagus, inflammation; Stomach, cardioesophageal junction
roentgenography. See also other subheads under Esophagus
—post-cricoid impression on esophagus (ab), R. G. Pitman and
G. M. Fraser, 85: 788, 1965
—x-ray examination of the stomach, 2d ed (bk rev) Frederic
E. Templeton, 85: 572, 1965

deffuse esophageal spasm: clinical, radiological, and mano-metric observations (ab), Harold P. Roth and Bertram Fleshler, 85: 390, 1965 stricture

congenital esophageal strictures (ab), William G. Greenough, 85: 390, 1965

varix

"downhill" varices of esophagus (ab), Benjamin Felson and
Alfred P. Lessure, 85: 590, 1965

-esophageal varices in superior vena caval obstruction (ab),
Donald L. Otto and Raymond S. Kurtzman, 85: 388, 1965

-radiation treatment in reflux esophagitis (ab), Ralph D.
Eichhorn, 85: 601, 1965

-technic of percutaneous splenoportography directed to the hilus (ab), G. Esser, 85: 387, 1965

wounds and injuries
—intramural esophageal abscess (ab), Ivan Lichter and John
Borie, 85: 1143, 1965
ESSER, G.: Technique of percutaneous splenoportography
directed to the hilus (ab), 85: 387, 1965
ESTEBAN, J., LASA, D., and PEREZ-MODREGO, S.: Detection of cartilaginous tumors with selenium 75, 85:
149, 1965
ESTROGENE

ESTROGENS

ESTROGENS

-effect of various hormones, isotopes, and isotope-tagged hormones on breast cancer in rats (ab), William S. Fletcher et al. 85: 806, 1965

ETHIODOL. See lodine and lodine Compounds EVANS, AUDREY E. See D'ANGIO, GIULIO J. EVANS, C. See ABRAHAMS, E. W. EVANS, GEORGE C. See BRADY, LUTHER W. EVANS, K. T. E., COCKSHOTT, W. P., and HENDRICKSE, P. deV.: Pulmonary changes in malignant trophoblastic disease (ab), 85: 1138, 1965

See HENDRICKSE, J. P. de V.
EVANS, MICHAEL J. See ISERI, LLOYD T.
EVANS, TITUS C., HODGES, ROBERT E., and BRADBURY,
JAMES T.: 11th content in ovarial and other tissues at
different times after oral administration (ab), 85: 603,

EVANS BLUE. See Blood, volume
EXTREMITIES Arms; Elbow; Femur; Foot; Hand;

REMITIES
See also Ankle; Arms; Elbow; Femur; Foot; Hand;
Legs; Tibia; etc.
soft-tissue radiography of extremities in neuromuscular
disease with histological correlations (ab), Giovanni Di
Chiro and Karin B. Nelson, 85: 794, 1995.

blood supply

ood supply—angiographic evaluation of swollen limbs (ab), L. K. Thompson, III, and W. G. Anlyan, 85: 187, 1965—angiographically demonstrated arteriovenous shunting in circulatory obstructions in lower extremities (ab), Rolf Köhler and Veikko Viljanen, 85: 388, 1965—intravenous angiocardiography, abdominal aortography, and peripheral arteriography with single arm pressure injection (ab), Israel Steinberg and Harry L. Stein, 85: 180, 1995. 180, 1965

180, 1809 -transluminal treatment of arteriosclerotic obstruction: description of new technic and preliminary report of its application (ab), Charles T. Dotter and Melvin P. Judkins, 85: 388, 1965

EYELIDS cancer

-treatment of basal cell carcinoma of eyelids by radiotherapy (ab), G. M. Cobb et al. 85: 193, 1965

See also Arteries, ophthalmic; Hemianopia; Lens, Crystal-line; Orbit; Radiobiology; etc.

See also Artesta.

line; Orbit; Radiobiology; etc.

abnormalities

—dyscephalia mandibulo-oculo-facialis (Hallermann-Streiff syndrome) (ab), D. Hoefnagel and K. Benirschke, 85:

tumors

-radioisotope diagnosis of eye tumors and means for its improvement (ab), B. P. Kalashnikov and Yn. A. By-strova, 85: 604, 1965

-radioisotope diagnosis of eye tumors and means for its improvement (ab), B. P. Kalashnikov and Yn. A. Bystrova, 85: 604, 1965
 EYLER, WILLIAM R., and CLARK, MAX D.: Dissecting aneurysms of the aorta: roentgen manifestations including a comparison with other types of aneurysms, 85: 1047, 1965

See GARMAN, JAMES E.

EYLER, WILLIAM R.
—new Editor of RADIOLOGY (ed.), 85: 1124, 1965

EYRING, EDWARD J., PETERSON, C. A., and BJORNSON,
D. R.: Intervertebral-disc calcification in childhood:
distinct clinical syndrome (ab), 85: 187, 1965

FABRIKANT, JACOB I., and DICKSON, ROBERT J.: Use of cinefluorography for the radiological examination of the larynx and hypopharynx in cases of suspected carcinoma (ab), 85: 782, 1965 FACE

-dyscephalia mandibulo-oculo-facialis (Hallermann-Streif syndrome) (ab), D. Hoefnagel and K. Benirschke, 85: fractures of bones of -fractures of middle (1)

fractures of bones of
—fractures of middle third of facial skeleton (ab), H. D. de
Reus, 85: 984, 1965
FAIRBAIRN, JOHN F., II. See KOTTKE, BRUCE A.
FAIRCHILD, R. G.: "Epithermal" neutron beam isodose charts
in a phantom head, 85: 555, 1965
FALLOT'S PENTALOGY. See Heart, abnormalities
FALLOT'S TETRALOGY. See Heart, abnormalities
FALL See Meninges
FAMILIAL CONDITIONS
See also Hercelity

MILIAL CONDÍTIONS

See also Heredity

-Cardner's syndrome (ab), C. J. B. Muller, 85: 400, 1965

-idiopathic osteoarthropathy and cranial defects in children
(familial idiopathic osteoarthropathy) (ab), Donald S.

Chamberlain et al, 85: 998, 1965

-symmetric bowing of terminal phalanges of fifth fingers in
family (Kirner's deformity) (ab), Eugene Blank and
Bertram R. Girdany, 85: 999, 1965

-tracheobronchiomegaly: report of 5 cases and demonstration of familial occurrence (ab), Robert F. Johnston and
Robert A. Green, 85: 783, 1965

RREHI, CYRUS, DOTTER, CHARLES T., and GRISWOLD,
HERBERT E.: Supravalvular aortic stenosis: underdevelopment and characteristic facies (ab), 85: 178, 1965

RRELL, WALTER J.: Deformity of the bladder secondary to

HERBERT E.: Supravalvular aortic stenosis: underdevelopment and characteristic facies (ab), 85: 178, 1965

FARRELL, WALTER J.: Deformity of the bladder secondary to
pelvic lymphoma, 85: 898, 1965

FATS. See Blood, fats and lipoids; Embolism, fat
"FATTY LIVER." See Liver
FAUST, DONALD S. See BRADY, LUTHER W.
FAVA, G., and RONCORONI, L.: Autopsy control studies on
visceral distribution of radioactive Lipiodol injected in
lymphatic system (ab), 85: 198, 1965

FAYKUS, MAX H. See SINGLETON, EDWARD B.
FAYOS, J., and LAMPE, I.: The treatment of angiomas in
children (ab), 85: 797, 1965

—HENDRIX, R., MacDONALD, V., and LAMPE, I.: Hodgkin's disease: a review of radiotherapeutic experience
(ab), 85: 1153, 1995

—See ABELL, M. R.
FEEBLEMINDEDNESS

FEEBLEMINDEDNESS

-dyscephalia mandibulo-oculo-facialis (Hallermann-Streiff syndrome) (ab), D. Hoefnagel and K. Benirschke, 85:

syndrome) (ab), D. Hoefnagel and K. Benirschke, 85: 984, 1965

—supravalvular aortic stenosis: underdevelopment and characteristic facies (ab), Cyrus Farrehi et al, 85: 178, 1965

FEIOELSON, HOWARD H., and RAVIN, HERBERT A.:

Transverse myelitis following selective bronchial arteriography, 85: 663, 1965

FEINERG, S. B.: Place of diskography in radiology as based on 2,320 cases (ab), 85: 595, 1965

FEIRING, EMANUEL H., and SHAPIRO, JEROME H.:

Evaluation of angiography in diagnosis of suprasellar tumors (ab), 85: 173, 1965

FELDSTEIN, ARTHUR. See SPENCER, HERTA FELLOWSHIPS. See Picker Foundation FELSON, BENJAMIN, and LESSURE, ALFRED P.: "Downhill" varices of the esophagus (ab), 85: 590, 1965

—See MOSKOWITZ, MYRON FEMUR

also Arteries, femoral; Extremities; Hip

infarction

FEMUR

- osseous changes in chronic pancreatitis, Richard D. Gerle, Lewis A. Walker, James L. Achord, and J. Stephen Weens, 85: 330, 1965

osseous changes in chronic pancreatitis, Richard D. Gerle, Lewis A. Walker, James L. Achord, and J. Stephen Weens. 85: 330, 1965

- osseous changes in chronic pancreatitis, Richard D. Gerle, Lewis A. Walker, James L. Achord, and J. Stephen Weens, 85: 330, 1965

FENAROLI, ALESSANDRO. See AGOSTINI, CESARE FERLIC, RANDOLPH. See BILGUTAY, AYDIN M. FERRIS, ERNEST J., JOISON, JULIO, SHAPIRO, JEROME H., and BYRNE, JOHN, JULIO, SHAPIRO, JEROME cholangiography: a preliminary report describing a new approach to the examination (ab), 85: 593, 1965

FERROUS SULFATE. See Iron

FERTILITY. See Redistions, Injurious Effects. Redishiology.

FERTILITY See Radiations, Injurious Effects; Radiobiology; Sterility

FETUS

e also Embryo; Erythroblastosis, Fetal; Monsters; Pelvis; Pregnancy; Radiations, Injurious Effects; Radiobiology

Radiobiology

- deglutition by normal and anencephalic fetuses (ab), Jack

- A. Pritchard, 85: 1157, 1965

- ultrasound diagnostic technics in obstetrics and gynecology
(ab), E. Stewart Taylor et al, 85: 395, 1965

blood supply

- carbon dioxide and horizontal fluoroscopy in intrauterine
fetal transfusions, William Hanafee and Richard Bashore,
85: 481, 1965

FETUSeffects —effe FEVER

Vol. 85

FIRRIL FIBRO FIBRO FIBRO FIBRO FIGIE

FILAR

-lyi FILTE FINGE -ca -----

-SV

FINK FINK FINK FISCI FISCI

FIST

bil

15

oma

85:

arts

ren

and

D,

in

in

r

d

effects of irradiation

mects of irradiation
-effects of ionizing radiation on embryo and fetus; review
of experimental data (ab), E. V. Hulse, 85: 607, 1965
-1311 content in ovarial and other tissues at different times
after oral administration (ab), Titus C. Evans et al, 85:
003, 1965

FEVER
—fever as complication of radiation therapy for carcinoma of cervix (ab), Martin Van Herik, 85: 802, 1965
FIBRILLATION. See Arrhythmia
FIBROELASTOSIS, ENDOCARDIAL. See Heart, endocardial

FIBROLEIOMYOMA. See Tumors, myoma

FIBROMA. See Tumors, fibroma
FIBROSARCOMA. See Sarcoma, fibrosarcoma
FIBROSIS. See Abdomen, fibrosis; Heart; Lungs; Medistinum

FIGIEL, L. S. See THORLEY, L. G. FIGIEL, S. J. See THORLEY, L. G. FILARIASIS

bnormalities
-camptodactyly (ab), Guido Currarino and Irvin Waldman,
85: 795, 1965
-congenital heart disease and upper extremity deformities:
report of 2 families (ab), Lewis B. Holmes, 85: 1139,

rmmetric bowing of terminal phalanges of fifth fingers in family (Kirner's deformity) (ab), Eugene Blank and Bertram R. Girdany, 85: 999, 1965 fractures

fractures

—two types of fracture of radial sesamoid bone of metacarpophalangeal joint of thumb (ab), Bertil Stener and Ingemar Stener, 88: 795, 1965

FINE, MARTIN E. See HELLMAN, SAMUEL
FINK, R. See HARPER, PAUL V.
FINKELSTEIN, ARTHUR K. See NUSBAUM, MOREYE
FISCH, UGO P., and SIGEL, MELVIN E.: Cervical lymphatic
system as visualized by lymphography (ab) 85: 589, 1965
FISCHER, HARRY W., and CORNELL, STEVEN H.: Toxicity
of the sodium and methylglucamine salts of diatrizoate,
iothalamate, and metrizoate: an experimental study of
their circulatory effects following intracarotid injection,
85: 1013, 1965

their circulatory effects following intracarous injection,
Sec. BIOJS, 1965
Sec. BRODY, MICHAEL J.
FISHER, G. See BUFFARD, P.
FISHER, ROBERT L.: An experimental evaluation of Pantopaque and other recently developed myelographic contrast media, 85: 537, 1965
Sec Di CHIRO, GIOVANNI

FISTULA arteriovenous

arteriovenous

-angiographically demonstrated arteriovenous shunting in circulatory obstructions in lower extremities (ab), Rolf Köhler and Veikko Viljanen, 85: 388, 1965
-congenital renal arteriovenous fistulas (ab), Andrew B. Crummy, Jr., et al, 85: 1003, 1965
-multiple hemangioms in infant with cardiac hypertrophy: postmortem angiographic demonstration of arteriovenous fistulae (ab), Amiel G. Cooper and Robert P. Bolande, 85: 786, 1965

-radiographic manifestations of massive arteriovenous fistula in renal carcinoma, Morton A. Bosniak, 85: 454,

renal arteriovenous fistula following percutaneous renal biopsy, A. Franklin Turner and George Jacobson, 85: 460,

-renal arteriovenous fistula: reversible cause of hypertension and heart failure (ab), Jorge E. Maldonado et al, 85: 191,

biliogastrointestinal

nogastrointestinal biliary fistula complicating duodenal ulcer (ab), Basile G. Kourias and Agamemnon Chouliaras, 85: 392, 1965

bronchobiliary

-tuberculous bronchobiliary fistula: report of unusual case
with demonstration of fistulous tract by percutaneous
transhepatic cholangiography (ab). Robert J. Flemma
and William G. Anlyan, 85: 997, 1995 intestinal.

See Fistula, lymphointestinal

intestinal. See Fistula, lymphointestinal lymphaticovenous — collateral lymphaticovenous communications after experimental obstruction of thoracic duct, Toshihiko Neyazaki, Edward A. Kupic, William H. Marshall, and Herbert L. Abrams, 85: 423, 1965

lymphointestinal — converging mineral and steatorthes: lympho-

—idiopathic hypoproteinemia and steatorrhea: lympho-graphic demonstration of lymphointestinal fistula (ab), J. P. Desprez-Curely et al, 85: 790, 1965 lymphourinary

-lymphography in chyluria (ab), J. Bernageau et al, 85: 389, 1965

—lymphography in patient with unilateral chyluria (ab), Takashi Kishimoto et al, 85: 389, 1965

pyelolymphatic

pyelolymphatic
—chyluria: lymphangiographic study and review of literature
(ab), Jac Key Choi and Hall S. Wiedemer, 85: 590, 1965
renal. See Fistula, arteriovenous
FIUMICELLI, ALIGI, and Di RENZO, RENZO: Hyperostotic
spondylarthrosis (ab), 85: 1000, 1965
5579 M.D.-PRIAMIDE. See Intestines, roentgenography
FLAKE, RAYMOND E. See VENABLE, JOHN R.
FLECK, CYRUS S.
—Mr. Fleck ratics 85: 158, 1065

FLECK, CYRUS S.

—Mr. Fleck retires, 85: 158, 1965

FLEMING, H. A. See BARRY, M.

FLEMING, RICHARD J. See ELLIS, KENT

FLEMING, RICHARD J. See ELLIS, KENT

FLEMMA, ROBERT J., and ANLYAN, WILLIAM Gs.: Tuberculous bronchobiliary fistula: report of an unusual case

with demonstration of the fistulous tract by percutaneous

transhepatic cholangiography (ab), 85: 997, 1965

—CAPP, M. PAUL, and SHINGLETON, WILLIAM H.:

Percutaneous transhepatic cholangiography (ab), 85:

utaneous transhepatic cholangiography

FLESHLER, BERTRAM. See ROTH, HAROLD P.
FLETCHER, GILBERT H., and MILLION, RODNEY R.:
Malignant tumors of the nasopharynx (ab), 85: 799, 1965
——See BALLANTYNE, A. J.

Malignant tumors of the masopharynx (ab), 85: 799, 1965

—See BALLANTYNE, A. J.
—and MONTAGUE, ELEANOR D.: Radical irradiation of advanced breast cancer (ab), 85: 1150, 1965

—See RUTLEDGE, FELIX N.

FLETCHER, WILLIAM S., McSWEENEY, E. DOUGLAS, Jr., and DUNPHY, J. ENGLEBERT: Effect of various hormones, isotopes, and isotope-tagged hormones on breast cancer in rats (ab), 85: 801, 1965

FLIEDNER, T. M., CRONKITE, E. P., KILLMANN, S. A., and BOND, V. P.: Granulocytopoiesis. II. Emergence and pattern of labeling of neutrophilic granulocytes in humans (ab), 85: 200, 1965

—CRONKITE, E. P., and ROBERTSON, J. S.: Granulocytopoiesis. I. Senescence and random loss of neutrophilic granulocytes in humans length of the property of the p

induction of subacute skeletal fluorosis in case of multiple myeloma (ab), Phin Cohen and Frank H. Gardner, 85:

FLUOROSCOPY. See Cineroentgenography FLUOROSIS. See Fluorides 5-FLUOROURACIL

See also Radiomimetic Drugs
-cancer of bladder: combined 5-fluorouracil and cobalt-50
-teletherapy (ab), Joseph J. Kaufman et al. 85: 402, 1965
-hepatic outflow occlusion during hepatic artery infusion with
chemotherape

85: 787, 1965
FOCHT, ELIZABETH F., QUIMBY, EDITH H., and GERSHOWITZ, MARTIN: Revised average geometric factors for cylinders in isotope dosage. Part 1, 85: 151,

FOLGER, GORDON M., Jr., and SHAH, KISHOR D.: Sub-clavian steal in patients with Blalock-Taussig anastomosis (ab), 85: 993, 1965

See also Ankle

-evolution of skeletal lesions in pseudohypoparathyroidism,

Howard L. Steinbach. Ulf Rudhe, Marianne Jonsson,
and Duane A. Young, 85: 670, 1965

-perilymphatic spread of melanoma of foot after lymphography: case report (ab), M. Desmons and H. Ramioul

85: 389, 1965

-radiographic analysis of major foot deformities (ab), Gordon

—occipital dysplasia in infancy: early recognition of cranio-FORBERG, SEVALD. See BERONIUS, PER FOREIGN BODIES

air and food passages importance of preoperative scout films: associated with foreign bodies (ab), Edward Newell Burke et al, 85:

591, 1965
FORGOTSON, E. H. See BRILL, A. B.
FOSTER, J. H. See SAWYERS, J. L.
FRACTURES. See Spine, fractures; Tibia; etc.
FRAIMOW, W., WALLACE, S., LEWIS, P., GREENING,
R. R., and CATHCART, R. T.: Changes in pulmonary
function due to lymphangiography, 85: 231, 1965
FRALEY, ELWIN E., CLOUSE, MELVIN E., and LITWIN,
S. BERT: Uses of lymphagraphy, lymphadenography
and color lymphadenography in urology (ab), 85: 995,
1965

TRANK, H. G.: Radiological assessment of bladder tumors.
Part 11: Radiotherapy (ab), 85: 397, 1965
PRANKEL, SAM. See POZNANSKI, THOMAS W.
FRASER, G. M. See PITMAN, R. G.
FRATES, RICHARD E.: Incompetence of the sphincter of Oddi in the newborn, 85: 875, 1965
PREZING. See Cold
FREIBERGER, ROBERT H. See HARVEY, J. PAUL, Jr.
FREUND, M., and BORRELLI, F. J.: The effects of x-irradiation on male fertility in the guinea pig: semen production after x-irradiation of the testis, of the body, or of the head (ab), 85: 809, 1965

FRIEDENBERG, MARVIN J., and CARLSSON, ERIK:
Bilateral aorto-ilio-femoral arteriography via a unilateral
common femoral artery needle (ab), 85: 786, 1965
-POLK, HIRAM C., Jr., MCALISTER, WILLIAM H., and
SHOCHAT, STEPHEN J.: Superior mesenteric arteriography in experimental mesenteric venous thrombosis, 85:
38, 1965

38, 1965
FRIEDLAND, STEPHEN S., KATZENSTEIN, HENRY S., and ZATZICK, MICHAEL R.: Semiconductor detectors for nuclear medicine and biology (ab), 85: 1006, 1965
FRIMANN-DAHL, J. See ENGE, I.
FROESE, G. See HOLLOWAY, A. F.
FRY, I. KELSEY, and du BOULAY, G.: Some observations on the sella in old age and arterial hypertension (ab), 85: 781 1965.

FRYE, CHARLES S. See BLANCHARD, ROBERT J. FRYE, THOMAS R. See ALLEN, JAMES E. FUEGER, C. F. See MCAFEE, J. G. FULLER, L. M. See KUROHARA, S. S. FUSTEC, R. See CAVE, L.

GABRIELE, ORLANDO F.: Localized medullary cystic disease of kidney: sponge kidney (ab), 85: 190, 1965 GALEN'S VEIN. See Aneurysm, cerebral GALLAGHER, TOM. See POWERS, W. E. GALLBLADDER See also Bile Ducts; Biliary Tract

diseases

mural gas in hollow viscera (ab), J. Colquhoun, 85: 797, excision

intravenous cholangiography used in postcholecystectomy biliary tract disease (ab), Robert Edmunds et al, 85: 792, 1965

roentgenographic findings in accidental ligation of hepatic artery: case report, L. G. Thorley, L. S. Figiel, S. J. Figiel and D. K. Rush, 85: 56, 1965

Figiel and D. K. Rush, 85: 56, 1965
reentgenography
—acute renal failure following oral cholecystography: unique
nephrographic effect (ab), Benedict R. Harrow and Jack
Allen Sloane, 85: 791, 1965
—cholecystography in presence of polycystic disease of liver:
report of case and review of literature, Robert E. Sandy,
85: 895, 1965

85: 895, 1965
effect of new orally administered cholecystographic compound on 1<sup>13</sup>-tri-iodothyronine red-cell-uptake test of thyroid function (ab), Fred C. Cristofori and Garfield G. Duncan, 85: 198, 1965
hepatorenal polycystosis (ab), P. Bret and C. Duquesnel, 85: 186, 1965
inclined lateral december 2.

85: 186, 1965

-inclined lateral decubitus position for cholecystography (ab), J. R. Amberg et al, 85: 592, 1965

-peroral cholegraphy with ipodate calcium (ab), Alexander Lewitan and Jose Felix Garcia, 85: 1145, 1965

GALLI, G. See CHIAPPA, S. GALLOUÉDEC, Ch. See BROCARD, H. GALY, P., BRUNE, J., LHEUREUX, P., and TERNAMIAN, J.: Diagnostic value of Lipiodol bronchography in cancer of the large hilar bronchi inaccessible to endoscopy (ab), 85: 785, 1965

-See SANTY, P.

GAMMA RAYS. See Brain, scanning; Dosimeters; Radiobiology; Radiocesium; Radioisotopes; etc.

RAYS. See Brain, scanning; Dosimeters; Radio-ogy; Radiocesium; Radioisotopes; etc.

GANGRENE

intramural gas in hollow viscera (ab), I. Colquhoun, 85:

797. 1965
S, FRANK M., HENDRICKSON, MALCOLM W., and HOWLAND, JOE W.: Amino acid excretion in human patients accidentally exposed to large doses of partial-body ionizing radiation (the Lockport incident) (ab), 85:

1011. 1965
GANNON, PAUL. See BILGUTAY, AYDIN M.
GARCIA, JOSE FELIX. See LEWITAN, ALEXANDER
GARDNER, FRANK H. See COHEN, PHIN
GARDNER'S SYNDROME. See Cranium, tumors
GARMAN, JAMES E., HINSON, ROBERT E., and EYLER,
WILLIAM R.: Coarctation of the aorta in infancy:
detection on chest radiographs, 85: 418, 1965
GARNETT, E. S.: A trial of the radioisotope renogram (ab),
85: 602, 1965
GAROFALO, ROCCA.

GAROFALO, ROCCA. See HOWIESON, JOHN L. GARRETA, L., WEBER, A., DELAHAYE, R. P., and DEBONNIÈRE, C.: March fractures of the tibia (ab), 85: 796,

GARUSI, G. F.: Spiral movements of blood streams from the venae cavae into the right auricular appendage: angiographic demonstration of the dynamic function of the right auricular appendage (ab), 85: 588, 1965

GAS. See Carbon dioxide: Emphysema; Gangrene, gas; etc.
GASPARRI, F. See De DOMINICIS, R.
GASTRECTOMY. See Stomach. surgery
GASTROTTECTURE.

GASTRECTOMY. See Stomach, surgery
GASTROINTESTINAL TRACT
See also Colon; Duodenum; Intestines; Radiobiology;
Stomach, etc. effects of irradiation

hanges in electrolyte balance in gastrointestinal syndrome (ab), Z. Zsebök and Gy. Petrányi, Jr., 85: 204, 1965

—protective action of AET upon sodium and water balance in a so-called gastrointestinal radiation syndrome (ab), Zoltan B. Zsebök and Gyözö Petrányi, Jr., 85: 203, 1965 fistula. See Fistula

fistula. See PISUIA
hemorrhage
—demonstration of intra-abdominl bleeding by selective
arteriography: visualization of celiac and superior mesenteric arteries (ab), Moreye Nusbaum et al, 85: 997, 1965
—gastrointestinal bleeding associated with carcinoid tumor of
duodenum (ab), Arthur S. Loebel et al, 85: 183, 1965 pathology —gastrointestinal

astrointestinal manifestations of abdominal aorti ancurysms (ab), Fred K. Sondheimer and Israel Stein berg, 85: 392, 1965

berg, 85: 392, 1900
physiology
—gastrointestinal absorption, plasma transport, surface distribution, and urinary and fecal excretion of radioactive vitamin B<sub>B</sub> in iron deficiency (ab), J. D. Cook and L. S. Valberg, 85: 1157, 1965
—isotopic method for measurement of calcium absorption from gastrointestinal tract (ab), G. Alan Rose et al, 85: 1157, 1965

GAY, BRIT B., Jr. See SORSDAHL, OLIVER A.
GEDGAUDAS, EUGENE. See ELLIOTT, LARRY P.
GEGESY, JOSEPH: Acute and chronic cardiac aneurysm (ab),
28.582 106.582

85: 583, 1965 GEIGER-MÜLLER TUBE. See Heart, abnormalities

OMETRY
-revised average geometric factors for cylinders in isotope
dosage. Part I, Elizabeth F, Focht, Edith H. Quimby
and Martin Gershowitz, 85: 151, 1965
ORGE, FREDERICK W., CARLTON, CARTER E., Jr.,
DYKHUIZEN, ROBERT F., and DILLON, JAMES R.:
Cobalt-60 telecurietherapy in the definitive treatment of
carcinoma of the prostate: a preliminary report (ab), 85:
803, 1965 1965

803, 1965
GERBER, G. See GERBER, G. B.
GERBER, G. B., GERBER, G., KOSZALKA, T. R., and
HEMPELMANN, L. H.: Creatine metabolism after x-irradiation of rats. II. Direct and indirect effect of radiation (ab), 85: 408, 1965
GERBIE, A. B. See BREWER, J. I.
GERIEVA, V. B.: The technic of using large-film fluorography
in the diagnosis of diseases of the mammary glands (ab),
85: 582, 1965

GERIEVA, V. B.: The technic of using large-film fluorography in the diagnosis of diseases of the mammary glands (ab), 85: 582, 1965.

GERLE, RICHARD D., WALKER, LEWIS A., ACHORD, JAMES L., and WEENS, H. STEPHEN: Osseous changes in chronic pancreatitis, 85: 330, 1965.

GERLI, P. See De DOMINICIS, R.
GERMINOMA. See Tumors, seminoma GERMON, PATRICIA A. See BRADY, LUTHER W.
GERSHON-COHEN, J., and PICK, ERNEST J.: Dominant masses and mammography (ab), 85: 582, 1965.

GERSHOWITZ, MARTIN. See FOCHT, ELIZABETH F.
GIANNARDI, G. F. See De DOMINICIS, R.
GIANNARDI, G. F. See De DOMINICIS, R.
GIANT-CELL ARTERITIS. See ATteries, cerebral GIBES, PRISCILLA. See ADAMS, ROBERT M.
GIKAS, PAUL W. See PEK, SUMER.
GIBES, PRISCILLA. See ADAMS, ROBERT M.
GILBERT, GORDON J., and MELNICK, GILBERT S.: Pathophysiology of subintimal hematoma formation during retrograde arteriography, 85: 306, 1965.

GILBERT, S. See MADONICK, M. J.
GIMENEZ, JOSE L., BOVE, ALFRED, and BLACKSTONE, ARCHIE: Superimposed front lens oscillography in cinefluorography, 85: 352, 1965.

GIRDANY, BERTRAM R. See BLANK, EUGENE GIRDANY, LE, IN.: Radiological assessment of bladder tumors. Part I: Radiological assessment of bladder tumors.

ultiforme. See Brain, tumors
OMA. See Brain, tumors
MERULONEPHRITIS. See Nephritis

GOITER See also Thyroid

prognostic value of high 10-minute I<sup>111</sup> uptake in nontoxic goiters (ab), H. Patrick Higgins et al, 85: 197, 1965

goiters (ab). H. Patrick Higgins et al, 85: 197, 1905
GOLD, radioactive. See Radiogold
GOLDBERG, HENRY P. See STEINBERG, ISRAEL
GOLDMAN, LEON. See WARD, ROBERTSON
GOLDMEIER, ERICH: Limits of visibility of bronchogenic
carcinoma (ab), 85: 988, 1965
GOLDRICK, R. B., and AHRENS, E. H., Jr.: Unilateral chylous
lymphedema and xanthomatosis: study of factors governing flow of intestinal lymph (ab), 85: 182, 1985
GOLDRING, DAVID. See HARTMANN, ALEXIS F., Jr.
GONADS

See also Ovary; Radiations, Injurious Effects; Radiobiology;

See also Ovary; Kaulanous, ...,
Testes; etc.

-gonadal x-ray dose to children from diagnostic radiographic
technics, N. Aspin, 85: 944, 1965

-roentgen appearance of hand and wrist in gonadal dysgenesis
(ab), Jerzy Kosowicz, 85: 999, 1965

to provide to variation (ab), Solly Zuckerman, 85:

uptake of colloidal chromic radiophosphate (P<sup>13</sup>) by bone and gonads, Leopoldo J. Anghileri, 85: 938, 1965
 GONATAS, N. See ZINGESSER, L. H.

GONICE

Vol. 85

GOODI GORDII GOREE G

COTTS

GOUT -prit

COVER GRAHN GRANI GRANI

> GRANT GRANI -gra eosin

GREE GREEI

GREE GREM GRIFF GRIFF

GRON GROS

GROS

GROS GROV

-le

GRÜN GUIE

GUIH GUIH GURI

Ve

GONICK, P., and JACKIW, N. M.: Regression of pulmonary metastases from renal adenocarcinoma (ab), 85: 191,

metastases from renal adenocarcinoma (ab), 85: 191, 1965
GODDE, LYDON S. See LICH, ROBERT, Jr.
GOODING, CHARLES A., and NEUHAUSER, E. B. D.:
Growth and development of vertebral body in the presence and absence of normal stress (ab), 85: 1000, 1965
GORDINIER, RICHARD. See LARSON, ROGER K.
GORE, JOHN A., TINDALL, GEORGE T., and ODOM,
GUY L.: Percutaneous retrograde brachial angiography
in diagnosis of acoustic neurinoma: results in 4 cases (ab),
85: 172, 1965

85: 172, 1965
GOSSELIN, ARTHUR J. See VIAMONTE, MANUEL, Jr.
GOTTESFELD, KENNETH R. See TAYLOR, E. STEWART
GOTTSCHALK, A. See ANGER, HAL O.
GSEE HARPER, PAUL V.
GOUGH, M. H. See BENSON, P. F.
See JANTET, G. H.

-primary articular-cartilage calcification with arthritis (pseudogout syndrome) (ab), Warner D. Bundens, Jr. et al. 85: 793, 1965 GOUTELLE, A. See BUFFARD, P. GOVERNMENT

GÖVERNMENT
—government, medicine and the common weal (ab), Barnes
Woodhall, 85: 171, 1965
GOYER, ROBERT A. See BRODEUR, ARMAND E.
GRAHN, DOUGLAS. See LESHER, SAMUEL
GRAINGER, RONALD G.: Complications of cardiovascular
radiological investigations (ab), 85: 1138, 1965
GRANDMAISON, L. See VOOG, R.
GRANHOLM, LARS, and RADBERG, CLAES: Ventricular
diverticulum in infantile hydrocephalus (ab), 85: 1135,

GRANULOCYTES. See Leukocytes GRANULOCYTOPOIESIS. See Radiobiology, blood and hemopoietic studies

GRANULOMA
—granulomatous colitis: Crohn's disease of colon (ab),
Henry D. Janowitz et al, 85: 1144, 1965

Henry D. Janowitz et al, 85: 1144, 1965
essinophilic

eosinophilic granuloma of lung: report of 3 cases in Negro
patients (ab), Lawrence A. Dummore, Jr., and Sami
Ayoub El-Khoury, 85: 382, 1965
eosinophilic granuloma of lungs: roentgenologic and pathologic features (ab), J. Robert Thompson and Seymour
Langer, 85: 382, 1965

eosinophilic granuloma of upper GI tract: report of 3
cases (ab), Aaron Schwinger, 85: 789, 1965

GREEN, ROBERT A. See JOHNSTON, ROBERT F.
GREENBERG, ELIOT I. See RABINOWITZ, JACK G.
GREENBERG, S. DONALD, HALLMAN, GRADY L., Jr., and
SPJUT, HARLAN J.: Pulmonary tissue reaction following Hytrast bronchograms (ab), 85: 581, 1965

GREENHOUSE, ARNOLD H.: Pituitary sarcoma: possible
consequence of radiation (ab), 85: 201, 1965
GREENHOGH, WILLIAM G.: Congenital esophageal strictures (ab), 85: 399, 1995

GREMMEL, H.: Coronary arteriography with simultaneous
injection of contrast material through two catheters (ab),
85: 992, 1965

ERIERTE R. See MIINK I.

injection of contrast material through two catheters (ab), 85: 992, 1965
GRIFFEL, B. See MUNK, J.
GRIFFITHS, SYLVIA P. See ELLIS, KENT
GRISWOLD, HERBERT E. See FARREHI, CYRUS
GROLLMAN, J. H., Jr., BIERMAN, STANLEY M., MORGAN, J. E., and OTTOMAN, RICHARD E.: X-ray contamination in total-skin electron therapy of lymphoma cutis and exfoliative dermatitis, 85: 336, 1965
GRONDIN, CLAUDE, LEONARD, ARNOLD S., ANDERSON, RAY C., AMPLATZ, KURT A., EDWARDS, JESSE E., and VARCO, RICHARD L.: Cor triatriatum: diagnostic surgical enigma (ab), 85: 178, 1965
GROSS, Ch. M., and WACKENHEIM, A.: Radiologic critique of basilar impression (ab), 85: 576, 1965
GROSSI, CARLO E. See ROUSSELOT, LOUIS M.
—See RUZICKA, FRANCIS F., J.
GROSSMAN, HERMAN, BERDON, WALTER E., MIZRAHI, ABRAHAM, and BAKER, DAVID H.: Neonatal focal hyperaeration of the lungs (Wilson-Mikity syndrome), 85: 409, 1965
—See BERDON, WALTER E.

e BERDON, WALTER E.

GROWTH See also Bones, growth: Children, growth and development;

Epiphyses

—lethal effects of x-irradiation and injection of radioactive

lethal effects of x-irradiation and injection of radioactive phosphorus on rats in relationship to age (ab), Melvin R. Sikov and Thomas R. Noonan, 85: 202, 1965
 whole-body irradiation in the young pig: growth, hematology, and metabolism of calcium-45 and strontium-89 (ab), R. S. Lowrey and M. C. Bell, 85: 404, 1965
 GRÜNERT, R. D., OEFF, K., and SCHMIDT, H.: Intravenous radioportography: screening procedure for patients with portal hypertension (ab), 85: 1099, 1965
 GUIEN, C.: Anticholinergic drug (5579 M.D.-Priamide) in radiology of digestive tract (ab), 85: 185, 1965
 GUIHARD, D. See BONNARD, J. GUIHARD, R. See BONNARD, J. GURDJIAN, E. STEPHENS, HARDY, W. G., LINDNER, D. W., and THOMAS, L. M.: Four-vessel angiography: experiences with 300 consecutive cases (ab), 85: 171, 1965

GUSMANO, ERNEST. See SPENCER, HERTA
GUTGLAS, H. See ROSNER, D.
GUTKIN, MORTON L. See ZIZMOR, JUDAH
GUTTMAN, RUTH J.: Results of radiation therapy in patients
with inoperable carcinoma of the lung whose status was
established at exploratory thoracotomy (ab), 85: 800,

GUZMAN-ACOSTA, CARLOS. See MEDINA, JOSE T. GVOZDANOVIĆ, V., and KALLAI, L.: Three years experience of peroral cholegraphy (ab), 85: 393, 1965 GYEPPES, MICHAEL T. See BURKO, HENRY

GYEPES, MICHAEL T. See BURKO, HENRI GYNECOLOGY
See also Ovary; Pelvis; Uterus; etc.
—compression device for telecobalt therapy of pelvis (ab),
Hermann Kapp-Schwoerer, 85: 195, 1965
—evaluation of various angiographic methods in study of
tumors of female genital organs (ab), R. de Dominicis
et al. 85: 1002, 1965
—concedudeic annilications of lymphangiography (ab), Bao-

et al. 53: 1002, 1805
—gynecologic applications of lymphangiography (ab), BaoShan Jing et al, 85: 181, 1965
—lymphangiography in advanced gynecologic cancer (ab),
M. M. Hreshchyshyn and F. R. Sheehan, 85: 181, 1965
—lymphographic appearances of malignant pelvic lymph node
involvement (ab), B. F. Vaughan and J. F. Varey, 85:
181, 1965
—lymphography in management of colories and

181, 1995

-lymphography in management of pelvic malignant disease
(ab), J. C. Hartgill, 85: 589, 1965

-lymphography in patients with pelvic cancer (ab), S. Bert
Litwin et al, 85: 589, 1965

-lymphowenography in pelvic cancer (ab), Charles J. Smith
et al, 85: 590, 1965

-ultrasound diagnostic technics in obstetrics and gynecology (ab), E. Stewart Taylor et al, 85: 395, 1965

HAAGE, H. See REHM, A.
HABER, SEYMOUR: Retroperitoneal and mediastinal chemodectoma: report of a case and review of the litera-

chemodectoma: report of a case and review of the literature (ab). 85: 383, 1965

—and WILSON, FRANK F.: Pelvic angiography in the management of abdominal pregnancy. 85: 904, 1965

HÄGGENDÄL, E., INGVAR, D. H., LASSEN, N. A., NILSSON, N. J., NORLÉN, G., WICKBOM, I., and ZWETNOW, N.: Pre- and postoperative measurements of regional cerebral blood flow in three cases of intracranial arteriovenous aneurysms (ab). 85: 983, 1965

HAFNER, CHARLES D., HUGAN, C. CHARLES, Jr., CRANLEY, JOHN J., KRAUSE, RAYMOND J., and STRASSER, EDWARD S.: Gastrointestinal angina: discussion with report of case (ab). 85: 184; 1965

HAGGERTY, JAMES. See SCHENK, ERIC A. HAGGERTY, JAMES. SEE SCHENK, ERIC A. HAGGERTY, IAMES. SEE MELHEM, RAFIC E. HAILY, THOMAS J. See HAMEED, J. M. ABDUL HALER, JORDAN. See BRON, KLAUS M. HALLER, JORDAN. SEE BRON, KLAUS M. SEE SPONALD.

HALLERMANN-STREIFF SINDRUME. See Face, aunormalities

HALLMAN, GRADY L., Jr. See GREENBERG, S. DONALD

HALLS, J., and YOUNG, ALLAN: Plain abdominal films in
colonic disease (ab). 85: 185, 1965

HAMARTOMA. See Tumors, hamartoma
HAMBURGER, JOEL I. See MILLER, J. MARTIN

HAMBD, M. See HOLLMAN, ARTHUR

HAMED, J. M. ABDUL, and HALEY, THOMAS J.: Plasma
and adrenal gland corticosterone levels after x-ray exposure in rats (ab). 85: 407, 1965

HAMILTON, GILBERT. See SCHNEIDER, RICHARD C.

HAMILTON, KATHERINE. See LESHER, SAMUEL

HAMMOND, E. CUYLER. See SELIKOFF, IRVING J.

HANAFEE, WILLIAM, and BASHORE, RICHARD: Carbon
dioxide and horizontal fluoroscopy in intrauterine fetal

MANAFEE, WILLIAM, and BASHORE, RICHARD: Carbon dioxide and horizontal fluoroscopy in intrauterine fetal transfusions, 85: 481, 1965

See CRANDALL, PAUL H.

See KALMANSOHN, ROBERT B.

See ROSEN, LAWRENCE

See WEIDNER, WILLIAM

See also Fingers and Toes

See also Fingers and Toes
abnormalities
—evolution of skeletal lesions in pseudohypoparathyroidism,
Howard L. Steinbach, Ulf Rudhe, Marianne Jonsson, and
Duane A. Young, 85: 670, 1965
roentgenography
—roentgen appearance of hand and wrist in gonadal dysgenesis
(ab), Jerzy Kosowicz, 85: 999, 1965
tumors

Vol. 85

HEAR

infar insui --re

rota

size

valv vol

HEA

HEL

HE

HEI

HE

HARE, W. S. C.: Pneumomediastinography and the thymus (ab), 85: 176, 1965
HARRINGTON, G. See PETERSEN, K. OSTERGAARD HARRIS, JOHN H., Jr.: Infusion pyelography (ab), 85: 797, 1965
HARRIS, JOHN H., Jr. See HARRIS, JOHN H., HARRIS, T. R. See McCALL, C. B.
HARRISON, EDGAR G., Jr. See MALDONADO, JORGE E. HARRISON, EDGAR G., Jr. See Maldonado, Jack Allen: Acute renal failure following oral cholecystography: a unique nephrographic effect (ab), 85: 791, 1965

a unique nephrographic effect (ab). 85: 791, 1965

-SLOANE, JACK ALLEN, and SALHANICK, LOUIS:

Etiology of the hydronephrosis of pregnancy (ab), 85:

HARPER, PAUL V., LATHROP, KATHERINE A., JIMINEZ, F., FINK, R., and GOTTSCHALK, A.: Technetium 99m as a scanning agent, 85: 101, 1965

STRANDJORD, NELS, PALOYAN, EDWARD, MOSELEY, ROBERT D., WARNER, NANCY E., and LATHROP, KATHERINE A.: Destruction of the hypophysis with a Sr<sup>n</sup>-Y<sup>n</sup> needle (ab), 85: 199, 1965

HARTGLIL, J. C.: Lymphography in the management of pelvic malignant disease (ab), 85: 589, 1965

HARTMAN, J. TED, and RAPP, ROBERT: The effects of roentgen therapy on the host acceptance of autogenous borne grafts in dogs, 85: 532, 1965

HARTMANN, ALEXIS F., Jr., GOLDRING, DAVID, and CARLSSON, ERIK: Development of right ventricular obstruction by aberrant muscular bands (ab), 85: 384, 1995

HARTWELL, SHATTUCK W., Jr., HUGER, WILLIAM, Jr., and PICKRELL, KENNETH: Radiation dermatitis and radiogenic neoplasms of the hands (ab), 85: 406, 1965 HARVEY, J. PAUL, Jr., and FREIBERGER, ROBERT H.:

Myelography with an absorbable agent (ab), 85: 1146, 1065

HASS, WILLIAM K. See CHASE, NORMAN E. HATCH, F. E. See McCALL, C. B. HAUN, COSMO L. See SPRATT, JOHN S., Jr.

II, F. E. See MCCALL, C. B., (, COSMO L. See SPRATT, JOHN S., Jr., (OND), HERMAN R., and ASHIKAWA, JAMES K.: Depth-dose tables for 6 My x rays for use with a constant

HAYNE, THOMAS P. See OVERTON, MARVIN C., III.
HAYT, DAVID B.: Roentgenographic signs of thrombosis of
the superior vena cava and tributaries in neoplastic disease
(ab), 85: 787, 1965

See also Brain; Cranium; etc.

cancer — dose-time relationships in cancer radiotherapy: clinical radiobiology study of extremes of dose and time (ab), J. Robert Andrews, 85: 803, 1965 — effects of irradiation.

nects of trradiation
-effects of x-irradiation on male fertility in guinea pig:
semen production after x-irradiation of testis, body, or
head (ab), M. Freund and F. J. Borrelli, 85: 809, 1965
-enhancement of anticonvulsant action of acetazolamide after
head x irradiation and its relation to blood-brain barrier
changes (ab), V. Nair et al, 85: 203, 1965

tumors et al, 85: 203, 1965

"epithermal" neutron beam isodose charts in phantom head,
R. G. Fairchild, 85: 555, 1965

"habdomyosarcomas of head and neck in children: place of
radiotherapy (ab), R. Perez-Tamayo and S. Kramer,
85: 193, 1965

See also Aneurysm, cardiac; Cardiovascular System; Pericarditis; Radiobiology; Tricuspid Valve; etc.—diagnostic value of ultrasonic cardiography (ab), S. Effert et al, 85: 582, 1965 abnormalities. See also Aorta, abnormalities: Ductus Arteriosus; Tricuspid Valve; other subheads under Heart,

of inferior vena cava, Robert D. Milledge, 85: 860, 1965

 angiocardiographic characteristics of persistent common atrioventricular canal, Donald Girod, Gunay Raghib, Wang, Paul Adams, Jr., and Kurt Amplatz, 85:

-angiocardiographic feature of total anomalous venous return

 angiocardiographic feature of total anomalous venous return into coronary sinus simulating tricuspid atresia or stenosis (ab), A. Mehrizi et al, 85: 586, 1965
 angiocardiographic findings in idiopathic myocardial hypertrophy with right and left ventricular outflow tract obstruction (ab), Charles B. Lundquist et al, 85: 990, 1965 —coarctation of aorta in infancy: detection on chest radio-graphs, James E. Garman, Robert E. Hinson, and William R. Eyler, 85: 418, 1965

-congenital absence of pulmonary valve (ab), Ivan A. D'Cruz et al, 85: 584, 1965

--congenital heart disease and upper extremity deformities: report of 2 families (ab), Lewis B. Holmes, 85: 1139,

-congenitally unguarded tricupsid orifice with coexistent pulmonary atresia (ab), Vladimir I. Kanjuh et al, 85: 585, 1965

-cor triatriatum as problem of adult heart disease (ab), Lockhart B. McGuire et al, 85: 988, 1965 -cor triatriatum: diagnostic surgical enigma (ab), Claude Grondin et al, 85: 178, 1965

—development of right ventricular obstruction by aberrant muscular bands (ab), Alexis F. Hartmann, Jr., et al, 85: 384, 1965

dextrocardia extrocardia and isolated levocardia. I. Isolated levo-cardia (ab), Maurice Campbell and D. C. Deuchar, 85:

-dextrocardia and Jisolated levocardia. I. Isolated levocardia (ab), Maurice Campbell and D. C. Deuchar, 85: 988, 1965

-dextrorotation of heart in rheumatic mitral stenosis; report of case complicated by obesity (ab), Nathan Poker and Israel Steinberg, 85: 582, 1965

-diagnosis of corrected transposition of great vessels (ab), Geoffrey H. Watson, 85: 385, 1965

-dilatation of pulmonary trunk in stenosis of pulmonary valve and of pulmonary arteries in children (ab), Ivan A. D'Cruz et al, 85: 386, 1965

-Elbstein's anomaly of tricuspid valve: angiocardiographic considerations (ab), Kent Ellis et al, 85: 585, 1965

-Fallot's tetralogy—some radiological and other findings in the first few years after total correction (ab), Ian M. Anderson et al, 85: 991, 1965

-mass miniature radiography in detection of heart disease (ab), M. Barry and H. A. Fleming, 85: 1139, 1965

-mitral valve disease with ventricular septal defect (ab), Arthur Hollman and M. Hamed, 85: 1141, 1965

-me technic for detection of left-to-right cardiac shunts by use of esophageal Geiger-Müller tube (ab), Gordon H. Ira, Jr., and Edward S. Orgain, 85: 1008, 1965

-persistent truncus arteriosus, a clinical correlation with pathologic anatomy (ab), Carolyn M. McCue et al, 85: 385, 1965

-post-valvular stenosis of pulmonary artery and its branches (ab), Samuel Oram et al, 85: 386, 1965

585, 1965
post-valvular stenosis of pulmonary artery and its branches (ab), Samuel Oram et al, 85: 386, 1965
-roentgenographic features in cases with origin of both great vessels from right ventricle without pulmonary stenosis (ab), Lewis S. Carey and Jesse E. Edwards, 85: 989, 1965

1993

-roentgenologic findings in left ventricular-right atrial communication (ab), Larry P. Elliott et al. 85: 990, 1965

-subvalvar aortic jet, Charles B. Lundquist and Kurt

Amplatz, 85: 635, 1965

-supravalvular aortic stenosis: underdevelopment and characteristic facies (ab), Cyrus Farrehi et al. 85: 178, 1965

-syndrome of pulmonary stenosis complicating maternal

—syndrome of pulmonary stenosis complicating maternal rubella (ab), A. W. Venables, 85: 993, 1965. —systemic arterial/pulmonary arterial communication in case of Fallot's pentalogy (ab), Attila Arvay et al, 85:

1142, 1965 wedge pullmonary arteriography in congenital heart disease,
 Agustin Castellanos, Francisco A. Hernandez, and
 Heriberto G. Mercado, 85: 838, 1965
 aneurysm. See Aneurysm

coronary angiography during acetylcholine-induced cardiac arrest in dog (ab), Trygve Aakhus and Gudmund Semb, 85: 787, 1965 rhythmia. See Arrhythmia

arrhythmia. See Arrh heat. See Arrhythmia

ood supply

-investigation of coronary circulation in combined use of contrast substances and anticoagulants (ab), V. Vasiliera et al, 85: 386, 1965

calcification
—calcifications of heart (ab), R. Brian Holmes, 85: 583, 1965 cor pulmonale

or pulmonale
pulmonary changes in malignant trophoblastic disease (ab),
K. T. Evans et al, 85: 1138, 1965
seases. See also Pericarditis; other subheads under Heart
mass miniature radiography in detection of heart disease
(ab), M. Barry and H. A. Fleming, 85: 1139, 1965
subsequents.

dextrocardia and isolated levocardia. I. Isolated levo-cardia (ab), Maurice Campbell and D. C. Deuchar, 85:

effects of drugs on
—cardiopulmonary response to injection of angiographic
contrast medium (ab), J. L. Sawyers et al, 85: 179, 1965 electrocardiographic and pathologic changes after cardiac x-irradiation in dogs (ab), Steven J. Phillips et al, 85: 201, 1965

electrocardiography. See other subheads under Heart

endocardial fibroelastosis
—endocardial fibroelastosis; clinical and anatomic study of 47 patients with emphasis on its relationship to mitrainsufficiency (ab), James H. Moller et al, 85: 384, 1965 filbrillation. See Arrhythmia

-angiography of endomyocardial fibrosis (ab), W. Peter Cockshott, 85: 1139, 1965

hypertrophy ypertrophy—angiocardiographic findings in idiopathic myocardial hyper-trophy with right and left ventricular outflow tract obstruction (ab), Charles B. Lundquist et al, 85: 990, 1965—evaluation of left ventricular enlargement in lateral projection of chest, Richard B. Hoffman and Leo G. Rigler, 85: 02-1065.

-idiopathic iopathic hypertrophic subaortic stenosis (ab), Eugene Braunwald et al, **85**: 384, 1965

35:

35.

er 0),

ve 12 ic

in 1 se

se

15

HEART, hypertrophy—cont.
—multiple hemangiomas in infant with cardiac hypertrophy: postmortem angiographic demonstration of arteriovenous fistulae (ab), Amiel G. Cooper and Robert P. Bolande, infarction

calcifications of heart (ab), R. Brian Holmes, 85: 583, 1965

—catheatina with the control of the

massage
—tracheobronchial perforation: its diagnosis and treatment,
Martin L. Silbiger and Lois N. Kushner, 85: 242, 1965
muscle. See other subheads under Heart

siology biral movements of blood streams from venae cavae into right auricular appendage: angiographic demonstration of dynamic function of right auricular appendage (ab), G. F. Garusi, 85: 588, 1965

rate

-coromary arteriography: new method under induced hypotension by pacing experimental and clinical application (ab), Aydin M. Bilgutay et al. 85: 385, 1965

-toxicity of sodium and methylglucamine salts of diatrizoate, iothalamate, and metricoate: experimental study of their circulatory effects following intracarotid injection, Harry W. Fischer and Steven H. Cornell, 85: 1013, 1965

roentgenography. See also other subheads under Heart
-encyclopedia of medical radiology. Vol. 10: Roentgen diagnosis of the heart and blood vessels (bk rev), ed, by O. Olsson, F. Strnad, H. Vieten, and A. Zuppinger, 85: 973, 1965

973, 1965

973, 1965
rotation. See Heart, abnormalities
scanning. See also other subheads under Heart
—demonstration of ventricular aneurysms by radioisotope
scanning, David C. Meek, Donald W. Brown, Carlton
L. Shmock, and S. Gilbert Blount, Jr., 85: 856, 1965
size. See also Heart, hypertrophy
—cardiac mensuration by cardiac volume method, Theodore E.
Keats and Ivar P. Enge, 85: 850, 1965
—radiological assessment of left atrial size in infants, Henry
Burko and Michael T. Gyepes, 85: 1099, 1965
valves. See Aortic Valve; Mitral Valve; Pulmonary Valve;
Tricuspid Valve
volume

volume

Cardiac mensuration by cardiac volume method, Theodore E. Keats and Ivar P. Enge, 85: 850, 1965—cardiac output by external radioisotope counting in patients reverted from atrial fibrillation (ab), Abraham A. Polachek

et al, 85: 805, 1985
-effect of angiocardiographic contrast medium on circulatory
dynamics in man: cardiac output during angiocardiography (ab), Richard Brown et al, 85: 994, 1965

wounds and injuries

-aneurysm of right ventricle caused by selective angiocardiography (ab), Russell Vandenberg et al, 85: 584,

technic of transseptal catheterization of left atrium, pulmo--technic of transseptal catheterization of left atrium, pulmonary veins and left ventricle in dog, K. Ostergaard Petersen, G. Harrington, Nils Magnus Ohlsson, Guido Ascanio, and M. J. Oppenheimer, 85: 658, 1965
 -transient myocardial damage sedondary to extravasation of contrast material during left ventricular angiocardiography (ab), Chuichi Kawai and Walter H. Abelmann, 85: 584, 1965

HEAT

85: 584, 1965

HEAT

See also Fever; Thermography
-combined therapy with 220 kv roentgen and 10 cm microwave heating in rat hepatoma (ab), Donald B. Cater et al,
85: 195, 1965

HEAVY PARTICLES. See Radiotherapy
HEISKANEN, O.: Cerebral circulatory arrest caused by
acute increase of intracranial pressure: clinical and
roentgenological study of 25 cases (ab), 85: 173, 1965

HELLMAN, SAMUEL, and FINK, MARTIN E.: Granulocyte
reserve following radiation therapy as studied by the
response to a bacterial endotoxin (ab), 85: 1161, 1965

HELLSTRÖM, L. See LILLEQUIST, B.
HELWIG, JOHN, Jr. See BARRETT, JOHN S.
HEMANGIOMA. See Tumors, angioma
HEMATEMESIS. See Gastrointestinal Tract, hemorrhage
HEMATOMA. See Aorta; Meninges; etc.

HEMATURIA

—cystitis glandularis, B. G. Brogdon, M. L. Silbiger, and J. A. C. Colston, Jr., 85; 470, 1965

HEMIANOPIA

HEMIANOPIA

-ectopic pinealoma: radiocurable neuroendocrinologic entity,
Philip Rubin and Simon Kramer, 85: 512, 1965

HEMMATI, A.: Toxic dilatation of the colon in ulcerative
colitis (ab), 85: 1144, 1965

HEMOCHROMATOSIS

iron-59 absorption measurements by whole-body counting: studies in alcoholic cirrhosis, hemochromatosis, and pancreatitis (ab), D. J. Deller, 85: 1158, 1965

HEMOENCEPHALIC BARRIER

—effect of x irradiation and certain other treatments on blood-brain barrier permeability (ab), V. Nair and L. J. Roth, 85: 202, 1965

—enhancement of anticonvulsant action of acetazolamide after head x irradiation and its relation to blood-brain barrier changes (ab), V. Nair et al, 85: 203, 1965

HEMOGLOBIN SA DISEASE. See Anemia, sickle-cell HEMOGLOBIN SC DISEASE. See Sickle-Cell Disease HEMOPOIETIC SYSTEM

See also Bone Marrow; Leukemia; Radiobiology; etc.
—granulocytopoiesis. II. Emergence and pattern of labeling of neutrophilic granulocytes in humans (ab), T. M. Fliedner et al, 85: 200, 1965
—hematopoietic recovery in endotoxin-treated lethally xirradiated BUB mice (ab), Alice M. Savage, 85: 203, 1965
HEMORRHAGE. See under organs and regions, as Gastro-intestinal Tract

HEMORRHAGE. See under organs and regions, as Gastro-intestinal Tract
HEMPELMANN, L. H. See GERBER, G. B.
—See KUROHARA, S. S.
HENDRICKS, JEAN. See SMITH, JAMES C.
HENDRICKSE, J. P. de V., COCKSHOTT, W. P., EVANS,
K. T. E., and BARTON, C. J.: Pelvic angiography in
diagnosis of malignant trophoblastic disease (ab), 85: HENDRICKSE, J. P. de V., COCKSHOTT, W. P., EVANS, K. T. E., and BARTON, C. J.: Pelvic angiography in diagnosis of malignant trophoblastic disease (ab). 85: 189, 1965.

——See EVANS, K. T. E.

——See EVANS, K. T. E.

——See EVANS, C. T. E.

HENDRICKSON, MALCOLM W. See GANIS, FRANK M. HENDRICK, R. See FAYOS, J. HENRIKSON, CARL O. See BERONIUS, PER HENRY, W. H., and GARRETT, C.: Scattering of uncollimated cobalt 90 gamma radiation by concrete and lead barriers (ab), 85: 196, 1965.

HENSCHKE, U. K., and LAWRENCE, D. C.: Cesium-131 seeds for permanent implants, 85: 1117, 1965.

HEPATOMA. See Liver, cancer

HEPATOMA. See Liver, inflammation
HERBERT, WALTER W.: Angiographic artefacts which simulate or mask abnormality (ab), 85: 180, 1965
HEREDITY

See also Familial Conditions

See also Familial Conditions

-congenital heart disease and upper extremity deformities:
report of 2 families (ab), Lewis B. Holmes, 85: 1139, 1965

-spondyloepiphysial dysplasia tarda: 4 cases in childhood
and adolescence, and some considerations regarding
platyspondyly, Nathan Poker, Nathaniel Finby, and
Reginald M. Archibald, 85: 474, 1965

HERNANDEZ, FRANCISCO A. See CASTELLANOS,

HERNIA

Bochdalek. See Hernia, diaphragmatic diaphragmatic

iapbragmatic -esophageal reflux (ab), Gerald M. Vandervelde and Harley C. Carlson, 85: 391, 1965 -incarcerated Bochdalek hernias in adult (ab), Winfred L. Sugg et al, 85: 393, 1965

Sugg et al, 85: 393, 1965
—evaluation of tests for hiatus hernia (ab), G. P. G. Sim, 85: 182, 1965
hiatal. See Hernia, diaphragmatic
HERPES ZOSTER
complications and sequels
—pneumonia due to herpes zoster: report of case and review
of literature (ab), Sumer Pek and Paul W. Gikas, 85: 987,

HERZBERG, B., BRESSON, Y., and KELLERSHOHN, C.: X-radiography with mercury 197 (ab). 85: 604, 1965 HICKMAN, BERNARD T. See NEWTON, MICHAEL HIGGINS, H. PATRICK, ELKAN, IVAN, DIOSY, ANDREW, BAYLEY, T. ARNOLD, and BUCKLEY, GLORIA C.: Prognostic value of high 10-minute 11<sup>31</sup> uptake in nontoxic goitres (ab). 85: 197, 1965 HIGINBOTHAM, NORMAN L. See RABEN, MILTON HIGUCHI, TERUO. See KISHIMOTO, TAKASHI HILL, WALTER S., and TRAIBEL, JORGE: Cross scanning: simple way to improve resolution (ab). 85: 1007, 1965 HINCK, VINCENT C., CARTER, C. CONRAD, and RIPPEY, JOHN G.: Giant cell (cranial) arteritis: case with angiographic abnormalities (ab). 85: 171, 1965 — HOPKINS, CARL E., and CLARK, WILLIAM M.: Sagittal diameter of the lumbar spinal canal in children and adults, 85: 929, 1965

assessment of normal physiological intracranial calcification occurring in Indian subjects (ab). M. G. Varadarajan and B. Ramamurthi, 85: 578, 1965.
 HINSON, ROBERT E. See GARMAN, JAMES E.

HIP

diffuse pigmented villonodular synovitis of hip joint: review of literature and report of 4 cases (ab), Stanley M. K. Chung and Joseph M. Janes, 85: 1146, 1965
HISTIOCYTOSIS X. See Reticuloendothelial System, diseases HODGES, FRED J., III. See BROWN, MICHAEL W. HODGES, ROBERT E. See EVANS, TİTUS C. —case of meningal temledik Assacs.

Case of meningeal torulosis: terminal phase of Hodgkin's disease (ab), J. Bonnard et al, 85: 380, 1965 — Hodgkin's disease: role of lymphangiography (ab), George Schwarz, 85: 589, 1965 — Hodgkin's disease symposium, 85: 771, 1965

malignant lymphoma in survivors of atomic bomb in Hiroshima (ab), Robert E. Anderson and Kenzo Ishida, 85: 406, 1965

ritoneal lymph-node changes in Hodgkin's disease H. Weissleder, **85**: 400, 1965 (ab), H.

-Hodgkin's

Hodgkin's disease: review of radiotherapeutic experience (ab), J. Fayos et al, 85: 1153, 1965 manaagement and survival of 883 patients with malignant lymphoma (ab), David W. Molander and George T. Pack,

85: 801, 1965
 management of Hodgkin's disease coexistent with pregnancy, Melvin H. Becker and George A. Hyman, 85: 725,

-management of Hodgkin's disease (ab), Joseph Newall, 85:

HODSON, C. J. See SMELLIE, JEAN M.
HOEFNAGEL, D., and BENIRSCHKE, K.: Dyscephalia
mandibulo-oculo-facialis (Hallermann-Streiff syndrome)

(aD), 85: 984, 1905

HOFFMAN, RICHARD B., and RIGLER, LEO G.: Evaluation of left ventricular enlargement in the lateral projection of the chest, 85: 93, 1965

See DESILETS, DONALD T.

HOHL, MASON, and BAKER, H. R.: The atlanto-axial joint: roentgenographic and anatomical study of normal and abnormal motion (ab), 85: 578, 1965

HOLDEN, H.: Nisbet symposium: tumours of bladder. (3) Radiotherapy (ab), 85: 194, 1965

HOLDEN, H.: Nisbet symposium: tumours of bladder. (3)
Radiotherapy (ab), 85: 194. 1965
HOLLMAN, ARTHUR, and HAMED, M.: Mitral valve disease
with ventricular septal defect (ab), 85: 1141, 1965
HOLLOWAY, A. F., and FROESE, G.: Possible errors in the
ferrous sulfate dosimeter, 85: 729, 1965
HOLMBERG, E. A. D., DOSNE de PASQU'ALINI, C., ARINI,
E., PAVLOVSKY, A., and RABASA, S. L.: Sterility due
to radioactive phosphorus in mice (ab), 85: 199, 1965
HOLMES, JOSEPH H. See TAYLOR, E. STEWART
HOLMES, LEWIS B.: Congenital heart disease and upper
extremity deformities: a report of 2 families (ab), 85:
HOLMES, R. BRIAN: Calcifications of heart (ab), 85: 583, 1965
HOLSTI, LARS R.: Malignant extra-adrenal phaeochromocytoma (ab), 85: 601, 1965
—and TASKINEN, PENTII J.: Effect of unplanned interruption of radiation therapy: retrospective survey (ab),
85: 195, 1965

85: 195. 1965

HOLTZ, SUMNER. See EDELMAN, ALAN H.

HOLZMAN, G. B. See McAFEE, J. G.

HOOD, S. L., and NORRIS, GRACE: Human cell survivals

after pulsed x-irradiation (ab), 85: 809, 1965

HOPE-STONE, H. F. See BOTTRILL, D. O.

HOPKINS, CARL E. See HINCK, VINCENT C.

HORMONES. See under individual hormones, as Estrogens

HONNER, DAVID B.: Lumbar back pain arising from stress

fractures of lower ribs: report of 4 cases (ab), 85: 187,

1965

1965
HORNS, JOHN W., and O'LOUGHLIN, BERNARD J.:
Multiple manubrial ossification centers in mongolism
(ab), 85: 1900, 1985
HOTCHKISS, ROBERT S., and SAMMONS, B. P.: Selective
renal angiography (ab), 85: 1903, 1995
HOWARTH, J. L.: Calculation of the absorbed dose in softtissue cavities in bone irradiated by x-rays (ab), 85: 804,

HOWELLS, R., and OLIVER, R.: Single-plane implants using

of the same uniform linear activity (ab), 85:

403, 1965
HOWERTON, IONNIE W., Jr. See LICH, ROBERT, Jr.
HOWIESON, JOHN L., ESCOBAR, ALFONSO, and GAROFALO, ROCCA: Radiologic findings in acute necrotizing
encephalitis, 85: 298, 1965
HOWLAND, JOE W. See GANIS, FRANK M.
HRESHCHYSHYN, M. M., and SHEEHAN, F. R.: Collateral
lymphatics in patients with gynecologic cancer (ab), 85:
796, 1965
Lymphangiography in characteristics.

796, 1965
Lymphangiography in advanced gynecologic cancer (ab), 85: 181, 1965
HUANG, YUN PENG, and WOLF, BERNARD S.: Angiographic features of unilateral hydrocephalus of obstructive nature (ab), 85: 175, 1965
Veins of white matter of cerebral hemispheres (medullary veins): diagnostic importance in carotid angiography (ab), 85: 174, 1965
HUGAN, C. CHARLES, Jr. See HAFNER, CHARLES D. HUGAN, C. CHARLES, Jr. See HAFNER, CHARLES D. HUGAN, WILLIAM, Jr. See HARTWELL, SHATTUCK W., Jr.

HULEA, J. F., and BISEL, H. F.: Combined intra-arterial chemotherapy and radiation treatment for advanced cervical carcinoma: the McCall technique and results (ab), 85: 1004, 1965

HULSE, E. V.: The effects of ionising radiation on the embryo and foctus: a review of experimental data (ab), 85: 607, 1965

DAVID M. See KAUFFMAN, H. MYRON, Jr.

necrosis

seous changes in chronic pancreatitis, Richard D. Gerle, Lewis A. Walker, James L. Achord, and J. Stephen Weens, 85: 330, 1965

HUMPHREY, RONALD M. See DEWEY, WILLIAM C. HUNT, DAVID D.: Problems in diagnosing osteoarticular tuberculosis (ab), 85: 187, 1965 HURLER SYNDROME. See Lipochondrodystrophy HYALINE MEMBRANE DISEASE

—late stages of pulmonary hyaline membranes of the newborn (ab), Bengt Robertson et al, 85: 784, 1965
—respiratory distress syndrome in newborn: radiological aspects (ab), R. E. Kottler, 85: 380, 1965

HYALINIZATION
—radiation and transition of the syndrome in the syndr

HTALINIZATION

-radiation and drug-induced hyalinization of stomach (ab),
J. Chandler Smith and Robert P. Bolande, 85: 1161, 1965

HYBAROXIA. See Oxygen

HYDATID DISEASE. See Pleura, echinococcosis

HYDATIDIFORM MOLE: See Uterus, hydatidiform mole

HYDE, IVAN. See SCATLIFF, JAMES H.

HYDE, IVAN. See HYDROCEPHALUS

—angiographic features of unilateral hydrocephalus of obstructive nature (ab), Yun Peng Huang and Bernard S. Wolf, 85: 175, 1965
—ventricular diverticulum in infantile hydrocephalus (ab), Lars Granholm and Claes Rådberg, 85: 1135, 1965

HYDRONEPHROSIS
—etiology of hydrocephalus (ab),

etiology of hydronephrosis of pregnancy (ab), Benedict R. Harrow et al. 85: 397, 1965 -reflux in residual ureter (ab), A. W. Bruce and S. A. Awad, 85: 192, 1965

-renal arteriography in hydronephrosis: its value in diagnosis and management, Stanley S. Siegelman and Morton A. Bosniak, 85: 609, 1965
-return of function of kidney not visualized on intravenous

—return of function of kidney not visualized on intravenous pyelogram for 1 ½ years (ab). Anaxagoras N. Papaioannou and Alexander Brunschwig. 85: 1148, 1965.
—selective renal angiography (ab). Robert S. Hotchkiss and B. P. Sammons. 85: 1003, 1965.
HYDROXYPROGESTERONE. See Radiobiology
HYMAN, GEORGE A., and WELLS, JOSEPHINE: Bronchial carcinoid with osteoblastic metastases: cases with carcinoid syndrome (ab). 85: 176, 1965.
—See BECKER, MELVIN H.
HYMAN, RICHARD M., and YULIS, GEORGE B.: An improved technique for male urethrocystography (ab). 85: 1797, 1965.

HYPAQUE. See Iodine and Iodine Compounds
HYPERBARIC OXYGENATION. See Oxygen
HYPERCALCEMIA. See Blood, calcium
HYPERCUCENT LUNG. See Emphysema, pulmonary

HYPERLUCENT LUNG. See Emphysema, pulmonary
HYPEROSTOSIS

—hyperostotic spondylarthrosis (ab), Aligi Fiumicelli and
Renzo di Renzo, 85: 1000, 1965
HYPERPARATHYROIDISM. See Parathyroid
HYPERTHYROIDISM. See Thyroid
HYPOPARATHYROIDISM. See Phrathyroid
HYPOPARATHYROIDISM. See Phrathyroid

HYPOPARATHYROIDISM. See Parathyroid
HYPOPHARYNX. See Pharynx
HYPOPHOSPHATASIA. See Blood, phosphatase
HYPOPHYSECTOMY. See Pituitary Body, excision
HYPOPHYSIS. See Pituitary Body
HYPOPHTUITARISM. See Pituitary Body
HYPOPHTURARISM. See Pituitary Body
HYPOTHYROIDISM. See Thyroid
HYSTERECTOMY. See Uterus, Cancer, surgical therapy
HYSTEROGRAPHY. See Uterus, roentgenography
HYTRAST. See Iodine and Iodine Compounds

IIO, MASAHIRO. See UEDA, HIDEO ILEITIS. See Intestines diseases

ILEJTIS. See Intestines, diseases
ILEOCOLITIS. See Intestines, diseases
ILEOCOLITIS. See Intestines, diseases
ILEOPROCTOSTOMY. See Intestines, surgery
ILEUM. See Intestines
ILAGE INTENSIFICATION. See Cineroentgenography
IMPLANTS. See Mouth, cancer; Radiocesium; Re
Uterus, Cancer

Uterus, Cancer IPRESSION, BASILAR. See Platybasia INDEXING

INDEXING
See also Computers
—improved radiological classification of diseases (ab), Morris
Simon, 85: 1003, 1965
INDUSTRY AND OCCUPATIONS. See Mines and Miners;
Radiations, Injurious Effects, in physicians, radiation
personnel, etc.; Radiology and Radiologists

-roentgen appearance of hand and wrist in gonadal dysgenesis (ab), Jerzy Kosowicz, 85: 999, 1965
INFANTS, NEWBORN

NFANTS, NEWBORN

See also Abnormalities and Deformities; Heart, abnormalities; Monsters; etc.

-achalasia of esophagus in childhood (ab), Oliver A. Sorsdahl and Brit B. Gay, Jr., 85: 996, 1965

-extrapleural air sign in pneumomediastinum, Richard L. Lillard and R. Parker Allen, 85: 1093, 1965

-functional ileus of newborn (ab), Campbell Maclaurin, 85: 996, 1965

-incompetence of sphincter of Oddi in the newborn, Richard E. Frates, 85: 875, 1965

-late stages of pulmonary byaline membranes of the newborn (ab), Bengt Robertson et al, 85: 784, 1965

-neonatal focal hyperaeration of lungs (Wilson-Mikity syndrome), Herman Grossman, Walter E. Berdon, Abraham Mizrahi. and David H. Baker, 85: 409, 1965

INFAN -roe

Vol. 85

--spo INFEC

INGVA

INTER INTER

INTER INTER INTER

> INTES abno --ga -ste

> > -gr ---10

> > > dive

cysts

-ul effe

intu intu -in

--in obst

-in

—fu ---para

INFANTS, NEWBORN-cont.

respiratory distress syndrome in newborn: radiological aspects (ab), R. E. Kottler, 85: 380, 1965 roentgenologic findings in sacrococcygeal teratoma (ab), Ole Eklöf, 85: 794, 1965

-spontaneous pneumomediastinum in newborn infant (ab),

J. Sauvegrain et al, 85: 581, 1965 eterovesical junction of newborn (ab), Robert Lich, Jr., et al, 85: 399, 1965

INFECTION effect of chronic gamma radiation on airborne infection of mice with Listeria monocytogenes (ab), R. H. Stewart et

-effect of chrone and control of the 
INGVAR, D. H. See HÄGGENDAL, E. INSTRUMENTS. See Angiography; Catheters and Catheriza-

tion; etc.
INTERAMERICAN COLLEGE OF RADIOLOGY, 85:1130,

INTERFEROMETRY

dry mass distribution changes in mouse bone marrow cell population during first 24 hours after x-irradiation as determined by interferometry (ab), Hun Lee et al, 85:

1163, 1965
INTERNATIONAL CANCER CONGRESS (IXTH), Tokyo,
Japan, 85: 972, 1965
INTERNATIONAL CONGRESS OF RADIOLOGICAL RESEARCH (3D), 85: 1129, 1965
INTERNATIONAL CONGRESS OF RADIOLOGY (11TH)
—hospital visits in London, 85: 374, 1965
—Professor W. V. Mayneord honored, 85: 571, 1965
INTESTINES

-Professor w. v. day INTESTINES See also Colitis; Colon; Duodenum; Gastrointestinal abnormalities. See Intestines, obstruction

agnormantes. See Intestines, obstruction blood supply agnormation angina; discussion with report of case (ab), Charles D. Hafner et al, 85: 184, 1965 — stenosis of celiac artery, Stewart R. Reuter and Tord Olin, 85: 617, 1965 cancer. See Duodenum, cancer course.

cysts -intramural gas in hollow viscera (ab), J. Colquhoun, 85: 797, 1965 diseases

seases
acute dilatation in backwash ileitis after ileoproctostomy
for ulcerative colitis (ab), David Bryk and Martin Neschis, 85: 996, 1965

cnis, **85**: 990, 1905 —granulomatous colitis: Crohn's disease of colon (ab), Henry D. Janowitz et al, **85**: 1144, 1965 —roentgen diagnosis of ileocolitis (Brooke-Cooke) (ab), R. Prevot, **85**: 591, 1965

eracula adiological appearances of diverticula in antimesenteric intertaenia area of pelvic colon (ab), R. Marcus and J. Watt, 85: 790, 1965

diverticulum (ab), I. Enge and J. Frimann-Dahl, 8 184, 1965

ulcerative colitis in association with diverticular disease of

ulcerative colitis in association with diverticular disease.of colon, Samuel L. Beranbaum, Madjid Yaghmai, and Elliot R. Beranbaum, 85: 880, 1965
 effects of irradiation
 influence of fractionated x-irradiation on intestine of rats protected by cysteine and partial-body shielding (ab), M. F. Sullivan and R. C. Thompson, 85: 407, 1965
 fistula. See Fistula introduced.

intubation. See Intestines, physiology

intubation. See Intestines, physiology intussusception. See Intestines, physiology intussusception. See Intussusception lymph nodes. See Lymph Nodes motility in man. I. Study combining use of intraluminal pressure recording and cineradiography (ab), Donald J. Deller and Anders G. Wangel, 85: 789, 1965.

—intestinal motility in man. II. Behavior of small intestine following partial gastrectomy with particular reference to dumping syndrome (ab), Anders G. Wangel and Donald J. Deller, 85: 789, 1965.

—intestinal motility in man. III. Mechanisms of constipation and diarrhea with particular reference to irritable colon syndrome (ab), Anders G. Wangel and Donald J. Deller, 85: 789, 1965.

obstruction. See also Intussusception; other subheads under Intestines

Intestines -functional ileus of newborn (ab), Campbell Maclaurin, 85:

996, 1965

entgen sign in strangulating obstructions of small intes-tine, Allan G. Schmidt, 85: 698, 1965

roentgen appearance of schistosomiasis mansoni involving colon, Jose T. Medina, Wm. B. Seaman, Carlos Guzman-Acosta, and Rafael B. Diaz-Bonnet, 85: 682, 1965

pathology
—caliber of descending duodenum and upper jejunum in
presence of peptic ulcer of stomach or duodenal bulb (ab),
Christian V. Cimmino, 85: 183, 1965
—intestinal lymphangiectasia: mechanism of enteric loss of
plasma-protein, fat (ab), S. P. Mistilis et al, 85: 789, 1965

physiology —detection tection of intestinal absorption of Co<sup>57</sup> tagged vitamin B<sub>12</sub> by serum counting (ab), Paul R. McCurdy, **85**: 1007, 1965

1965

-dynamics of iieal conduits, John E. Campbell, J. A. Oliver, and D. E. McKay, 85: 338, 1965

-radiodiagnostic problems in malabsorption (ab), D. E. Paterson et al, 85: 1144, 1965

-site of absorption of Co<sup>83</sup>-labeled vitamin B<sub>12</sub> in man: investigation made by intestinal intubation with polyethylene glycol as marker substance (ab), Vagn Rønnov-Jessen and Jacob Hansen, 85: 1007, 1965

-use of isolated subcutaneous intestinal loops for direct study of intestinal absorption of radioisotones in dose (ab)

use of isolated subcutaneous intestinal loops for direct study of intestinal absorption of radioisotopes in dogs (ab), M. John Murray et al. 85: 196, 1965
 -x-ray picture of small intestine and impaired absorption (ab), F. Pirk and M. Vulterinová, 85: 184, 1965
 roentgenography. See also other subheads under Intestines —anticholinergic drug (5579 M. D.-priamide) in radiology of digestive tract (ab), C. Guien, 85: 185, 1965
 colon examinations in patients with colostomies (ab), Lars Erik Dahl, 85: 791, 1965
 survival following portal venous air embolization: report

Erik Dahl, 85: 791, 1965

-survival following portal venous air embolization: report of case (ab), Harold P. Lazar, 85: 1145, 1965

-tannic acid and barium enema, Murray L. Janower, Laurence L. Robbins, Frederick S. Tomchik, and Walther T. Weylman, 85: 887, 1965

-use of Dulcolax in propylene glycol in radiological investigation of colon (ab), Josse Kaye and A. Solomon, 85: 592, 1965

surgery

mors eosinophilic granuloma of upper GI tract: report of 3 cases (ab), Aaron Schwinger, 85: 789, 1965 cer. See Colitis, ulcerative; Peptic Ulcer

volvulus

volvulus
—intestinal knot syndrome (ab), Luceil B. North and H.
Stephen Weens, 85: 392, 1965
—megacolon and volvulus in Parkinson's disease, Lawrence
H. Caplan, Harold G. Jacobson, Berta M. Rubinstein
and Marvin Z. Rotman, 85: 73, 1965
INTRACRANIAL PRESSURE. See Cranium, pressure in
INTUBATION. See Intestines, physiology; Trachea, wounds

INTUSSUSCEPTION

-plain film findings in intussusception (ab), Milton LeVine et al, 85: 592, 1965

ct at, 53: 592, 1995
—retrograde jejunogastric intussusception (ab). Walt Reyelt, Ir., and Arthur A. Anderson, 85: 592, 1965
IODINE AND IODINE COMPOUNDS
See also Bronchi

See also Bronchi, roentgenography; Goiter; Thyroid

experimental evaluation of Pantopaque and other rec developed myelographic contrast media (SH ( Ethiodol, Conray), Robert L. Fisher, 85: 537, 1965

investigation of coronary circulation in combined use of contrast substances and anticoagulants (ab), V. V. Vasiliera et al, 85: 386, 1965
 in roentgenography. See Pylorus, hypertrophy and stenosis radioactive. See Radioiodine: Goiter; Thyroid

nenty renal failure following oral cholecystography; unique nephrographic effect (ab), Benedict R. Harrow and Jack Allen Sloane, 85: 791, 1965

-cardiopulmonary response to injection of angiographic contrast medium (ab), J. L. Sawyers et al, 85: 179, 1965—clinical evaluation of side-effects of radiopaque contrast media administered via intravenous and intra-arterial routes in same patient: preliminary report, Erich K. Lang, 85: 666, 1965

changes in angiography with meglumine iothalamate 60 per cent (60 per cent Conray) and 50 per cent sodium diatrizoate (50 per cent Hypaque), Joseph Pen-Tze Lin, Irvin I. Kricheff, and Norman E. Chase, 85: 1033, 1965

effect of angiocardiographic contrast medium on circulatory dynamics in man: cardiac output during angiocardiog raphy (ab), Richard Brown et al, 85: 994, 1965

effect of concentrated contrast media during angiography on plasma volume and plasma osmolality (ab), Lloyd T. Iseri et al, **85**: 995, 1965

-effect of new orally administered cholecystographic com-pound on I<sup>131</sup>-tri-iodothyronine red-cell-uptake test of thyroid function (ab), Fed C. Cristofori and Garfield G. Duncan, 85: 198, 1965

effects of angiocardiographic injections on blood viscosity, Peter W. Rand and Eleanor Lacombe, 85: 1022, 1965

-pulmonary tissue reaction following Hytrast bronchograms (ab), S. Donald Greenberg et al, 85: 581, 1965 -renal extraction of PAH in man following abdominal aortog raphy, Alan J. Davidson, Herbert L. Abrams, and Thomas A. Stamey, 85: 1043, 1965

-renal function judged with radioactive Diodrast after selective renal angiography in dogs (ab), B. Bodforss et al, 85: 398. 1965

IODINE AND IODINE COMPOUNDS, toxicity—cont.

—toxicity of sodium and methylglucamine salts of diatrizoate, iothalamate, and metrizoate: experimental study of their circulatory effects following intracarotid injection, Harry W. Fischer and Steven H. Cornell, 85: 1013, 1965
IODOTHYROMINE. See Thyronine
IOTHALAMATE. See lodine and lodine Compounds
IPODATE CALCIUM. See Gallbladder, roentgenography
IRA, GORDON, H., Jr., and ORGAIN, EDWARD S.: New technic for the detection of left-to-right cardiac shunts by use of an esophageal Geiger-Müller tube (ab), 85: 1008, 1965
IRON

IRON

See also Anemia; Hemochromatosis

-possible errors in ferrous sulfate dosimeter, A. F. Holloway
and G. Froese, 85: 729, 1965

atistical considerations on bronchogenic carcinoma of iron miner of Lorraine Valley (ab), J. Roussel et al, 85: 383, 1965 deficiency

of "sideropenic" web (ab), L. M. Blendis et al, 85: 985, 1965

gastrointestinal absorption, plasma transport, surface distribution, and urinary and fecal excretion of radioactive vitamin B<sub>1</sub>: in iron deficiency (ab), J. D. Cook and L. S. Valberg, 85: 1157, 1965

metabolism

-iron-59 absorption measurements by whole-body counting: studies in alcoholic cirrhosis, hemochromatosis, and pancreatitis (ab), D. J. Deller, 85: 1158, 1965

-use of isolated subcutaneous intestinal loops for direct study of intestinal absorption of radioistotpes in dogs (ab), M. John Murray et al, 85: 196, 1965

radioactive. See Radioiron

M. John Murray et al, 85: 199, 1965
radioactive. See Radioiron
IRRITABLE COLON SYNDROME. See Colon, pathology
ISAACS, MARIAN. See LAWRENCE, WALTER, Jr.
ISCHEMIA. See Lungs, blood supply
ISERI, LLOYD T., KAPLAN, MARVIN A., EVANS, MICHAEL
J., and NICKEL, ELDON D.: Effect of concentrated
contrast media during angiography on plasma volume and
plasma osmolality (ab) 85: 995, 1965
ISHIDA KENZO. SEE ANDERSON ROBERT E.

plasma osmolality (ab), 85: 995, 1965
ISHIDA, KENZO. See ANDERSON, ROBERT E.
ISOTOPES, RADIOACTIVE. See Radioisotopes

JABBOUR, J. T. See SHOPFNER, CHARLES E. JACKIW, N. M. See GONICK, P. JACKSON, DAVID M. See LEMAY, MARJORIE J. JACKSON, FRANCIS C. See BRON, KLAUS M. JACOBS, PHILIP: Post-traumatic osteolysis of the JACKSON, FRANCIS C. See BRON, KLAUS M.

JACOBS, PHILIP: Post-traumatic osteolysis of the outer end of the clavicle (ab), 85: 393, 1965

JACOBSON, GEORGE. See TURNER, A. FRANKLIN JACOBSON, HAROLD G. See CAPLAN, LAWRENCE H.

JACOS, HAROLD W. See CAPLAN, LAWRENCE H.

JANES, JOSEPH M. See CHUNG, STANLEY M. K.

JANETOS, GEORGE P. See OCHSNER, SEYMOUR FISKE JANOWER, MURRAY L. ROBBINS, LAURENCE L., TOMCHIK, FREDERICK S., and WEYLMAN, WALTER T.:
Tannic acid and the barium enema, 85: 887, 1965

JANOWITZ, HENRY D., LINDNER, ARTHUR E., and MARSHAK, RICHARD H.: Cranulomatous colitis: Crohn's disease of the colon (ab), 85: 1144, 1965

JANTET, G. H., EDWARDS, J. M., GOUGH, M. H., and KINMONTH, J. B.: Endolymphatic therapy with radioactive gold for malignant melanoma (ab), 85: 197, 1965

IAWS

-benign hypertrophy of masseters: report of radiological features in 2 cases (ab), P. M. Dee, 85: 579, 1965 -dyscephalia mandibulo-oculo-facialis (Hallermann-Streiff syndrome) (ab), D. Hoefnagel and K. Benirschke, 85: 984, 1998.

—free movements in the temporomandibular joint: cingraphic study (ab), Max Lundberg, 85: 579, 1965

-carcinoma of maxillary antrum: co-ordinated roentgen-surgical therapy (ab), John S. Spratt, Jr., et al, 85: 600, 1965

-problems of roentgen diagnosis of ameloblastoma in West Africa (ab), H. Braband, 85: 1135, 1965

Tumors
— problems of roentgen diagnosis of ameloblastoma in West
Africa (ab), H. Braband, 85: 1135, 1965

JEFFERSON MEDICAL COLLEGE
— Stein Research Center dedicated, 85: 1130, 1965

—Stein Research Center dedicated, 85: 1130, EREZ, ROGER. See LOEBEL, ARTHUR S. ET, SUBVALVAR. See Aortic Valve, stricture

JER, SUVALVAR. See Aortic Valve, stricture
JIG. See Roentgen Therapy, apparatus
JIMINEZ, F. See HARPER, PAU. V.
JING, BAO-SHAN, McGRAW, JOHN P., and RUTLEDGE,
FELIX N.: Colyacologic applications of lymphangiography (ab), 85: 181, 1965

JOFFE, N.: Calvarial bone defects involving the lambdoid
suture and neurofibromatosis (ab), 85: 780, 1965

JOHNSON, PAUL. See REIN, BURTON I.
JOHNSON, CHARLES. See PESKIN, GERALD W.
JOHNSON, CHARLES. See PESKIN, GERALD W.
JOHNSON, E. R. See AMBERG, JOHN R.

JOHNSON, JULIAN. See BARRETT, JOHN S.
JOHNSTON, GERALD S., WETTLAUFER, JOHN N., and
MURPHY, GERALD P.: Clinical and experimental
studies using Hg.-197 Neohydrin as a measure of renal
blood flow (ab), 85: 405, 1965
JOHNSTON, ROBERT F., and GREEN, ROBERT A.: Tracheobronchiomegaly: report of five cases and demonstration of familial occurrence (ab), 85: 783, 1965

See also under names of joints, as Knee Postgraduate Course, Emory University, Radiology of Bone and Joint Diseases, 85: 159, 1965 calcification

primary hyperparathyroidism with osteosclerosis and cal-cification in articular cartilage (ab), R. E. Aitken et al, 85: 394, 1965

See Arthritis; Gout diseases.

diseases. See Arthritis; Gout
tuberculosis
—problems in diagnosing osteoarticular tuberculosis (ab),
problems in diagnosing osteoarticular tuberculosis (ab),
problems in diagnosing osteoarticular tuberculosis (ab),
problems in diagnosing osteoarticular tuberculosis (ab),
ponck, L M.: Influence of weight-bearing on the lumbar
ponck, L M.: Influence of weight-bearing on the lumbar
ponce of the diagnosis of the lumbar of the lumbar of the lumbar
ponce of the lumbar of the lumb

KAHL, JAMES B. See BROWN, OWEN L.
KAHN, PAUL C.: The epinephrine effect in selective renal
angiography, 85: 301, 1965
See PAUL, ROBERT E., Jr.
KAI, YOSHIO. See KISHIMOTO, TAKASHI
KAIHARA, SHIGEKOTO. See UEDA, HIDEO
KALASHNIKOV, B. P., and BYSTROVA, Yn. A.: Radioisotope diagnosis of eye tumors and means for its improvement (ab), 85: 604, 1965

KALLAI, L. See GVOZDANOVIĆ, V. KALMANSOHN, RICHARD W. See See KALMANSOHN, ROB-

ERT B.
KALMANSOHN, ROBERT B., HANAFEE, WILLIAM N.,
KATTUS, ALBERT A., Jr., and KALMANSOHN,
RICHARD W.: Coronary cineangiography: clinical
studies for evaluation in equivocal cases (ab), 85: 586,

RICHARD W.: Coronary cineangiography: clinical studies for evaluation in equivocal cases (ab). 85: 586, 1965.

KAMBOLIS, CATHERINE P. See NORMAN, ALEX KAMEDA, HARUO. See UEDA, HIDEO KANJUH, VLADIMIR I., STEVENSON, JAMES E., AMPLATZ, KURT, and EDWARDS, JESSE E.: Congenitally unquarded tricuspid orifice with coexistent pulmonary atresia (ab), 85: 585, 1965.

KAPLAN, HENRY S. See BAGSHAW, MALCOLM A.—See INGOLD, JOHN A.—See INGOLD, JOHN A.—See INGOLD, JOHN A.—See SAGERMAN, ROBERT H.

KAPLAN, MARVIN A. See ISERI, LLOYD T.

KAPLAN, S. A. See KOGUT, M. D.

KAPP-SCHWOERER, HERMANN: Compression device for telecobalt therapy of the pelvis (ab), 85: 195, 1965.

KASPAR, LILLIAN V. See EFFERT, S.

KASPAR, LILLIAN V. See DECKER, CLARENCE F.

KATTUS, ALBERT. See KALMANSOHN, ROBERT B.—See WEIDNER, WILLIAM

KATZ, ISADORE. See LEVINE, MILTON

KATZENSTEIN, HENRY S. See FRIEDLAND, RICHARD J., DWYER, JAMES J., LEE, H. M., and HUME, DAVID M.: Prolongation of renal homograft function by local graft radiation (ab), 85: 809, 1965.

KAUFMAN, JOSEPH J., LANGDON, EDWARD A., STEIN, JUSTIN J., and BURT, FREDERICK B.: Cancer of the bladder: combined 5-fluorouracil and cobalt-60 teletherapy (ab), 85: 402, 1965.

KAUFMAN, LEONARD. See RUZICKA, FRANCIS F., Jr.

KAUFMAN, RICHARD J., CHU, FLORENCE C. H., and ESCHER, GEORGE C.: Effect of radiation therapy on the survival time of women with recurrent mammary carcinoma (ab), 85: 1150, 1965.

the survival time of women with recurrent mammary carcinoma (ab). 85: 150, 1965

KAWAI, CHUICHI, and ABELMANN, WALTER H.: Transient myocardial damage secondary to extravasation of contrast material during left ventricular angiocardiography (ab). 85: 584, 1965

KAY, CALVIN F. See BARRETT, JOHN S.

KAYE, JOSSE, and SOLOMON, A.: The use of Dulcolax in propylene glycol in the radiological investigation of the Calolon (ab). 85: 592, 1965

KEATES, PHILIP G. See WHITAKER, WILLIAM KEATS, THEODORE E., and ENGE, IVAR P.: Cardiac mensuration by the cardiac volume method. 85: 850, 1965

KEIM, HUGO A. See RITCHIE, GORDON W.

KEIRNS, M. M. See WHITELEATHER, JOHN E.

KELLERSHOHN, C. See DESGREZ, A.

—See HERZBERG, B.

KELLEY, JOHN P. See TROUT, E. DALE

KERLI KERR, KESSA KESSI

Vol. 85

KEMP KENT, KEOH

bloo

---an -cli

calci

calc can 

—h --p

effe

exc fun

ph

al a-a-

ır

KEMPF, F. See WARTER, J.
KENT, DONALD C.: Recurrent unilateral hilar adenopathy
in sarcoidosis (ab), 85: 987, 1965
KEOHANE, MARY F. See BLOOM, DAVID L.
KERLEY'S LINES. See Lungs, roentgenography
KERR, J. L. See AITKEN, R. E.
KESSARIS, N. D.: Calculated absorbed dose for electrons
(ab), 85: 403, 1965
KESSLER, Y. See ROUSSEL, J.
KETCHAM, ALFRED S. See MINTON, JOHN PETER
KIDNEYS

See also Hydronephrosis; Pyelography; Radiations, Injurious Effects; Radiobiology; Urinary Tract abnormalities

bnormalities
-contribution to diagnosis of normal and pathologic adrenal
glands (ab), A. Rehm and H. Haage, 85: 598, 1965
lood supply. See also Fistula, arteriovenous; other subheads under Kidneys

heads under Kidneys

-angiographic analysis of renal vasoconstriction (ab), Michael
J. Brody and Harry W. Fischer, 85: 180, 1965

-angiography and renal trauma (ab), E. Maranta and A.
Schnauder, 85: 192, 1965

-clinical and experimental studies using Hg<sup>197</sup> Neohydrin as
a measure of renal blood flow (ab), Gerald S. Johnston
et al, 85: 405, 1965

-curable hypertension due to renal artery lesions (ab), A. J.
Palubinskas et al, 85: 190, 1965

-pharmacoangiographic method for improving nephrophlebography, Tord B. Olin and Stewart R. Reuter, 85: 1036,

oldification. See also Kidneys, calculi -radiological and pathological findings in bilateral renal cor-tical necrosis: report of case showing renal calcification (ab), H. Krige and A. H. Timme, 85: 397, 1965 calcification.

(ab), W. Vahlensieck and H.-J. Maurer, 85: 1148, 1965

cancer

-epinephrine effect in selective renal angiography, Paul C.

Kahn, 85: 301, 1965

-radiographic manifestations of massive arteriovenous fistula
in renal carcinoma, Morton A. Bosniak, 85: 454, 1965

-regression of pulmonary metastases from renal adenocarcinoma (ab), P. Gonick and N. M. Jackiw, 85: 191, 1965

epinephrine effect in selective renal angiography, Paul C.
 Kahn, 85: 301, 1965
 hepatorenal polycystosis (ab), P. Bret and C. Duquesnel, 85: 186, 1965

85: 186, 1965

—localized medullary cystic disease of kidney; sponge kidney
(ab), Orlando F. Gabriele, 85: 190, 1965

—precalyceal canalicular ectasia; study based on 21 cases of
Cacchi and Ricci disease (so-called sponge kidneys) (ab),
B. Antoine et al, 85: 398, 1965

—radioisotope renogram in polycystic kidney disease (ab),
Kenneth H. Doolittle, 85: 1009, 1965

effects of irradiation
—delayed effects of renal irradiation (ab), A. W. Asscher, 85: 606, 1965

-reflux in residual ureter (ab), A. W. Bruce and S. A. Awad, 85: 192, 1965

85: 192,1965
function tests. See also other subheads under Kidneys
—quantitative analysis of I-131 sodium o-iodohippurate
renogram in hypertensive patients (ab), Sandor H. Wax
and Donald F. McDonald, 85: 404, 1965
—test of renal function: excretion of contrast medium as
measured by urinary specific gravity (ab), Sumner Marshall, 85: 598, 1965
hydronephrosis. See Hydronephrosis

nyaronephrosis. See Hydronephrosis
insufficiency
—acute renal failure following oral cholecystography: unique
nephrographic effect (ab), Benedict R. Harrow and Jack
Allen Sloane, 85: 791, 1965
—effect of urography on renal function in patients with multiple myeloma (ab), Michael Brown and John D. Battle,
Jr., 85: 191, 1965

radiological and pathological findings in bilateral renal

cortical necrosis: report of case showing renal calcifica-tion (ab), H. Krige and A. H. Timme, 85: 397, 1965-urographic demonstration of renal medullary necrosis in hemoglobin SA and SC disease, Vernon A. Vix, 85: 320, 1965

physiology
—effect of urography on renal function in patients with multiple myeloma (ab), Michael Brown and John D. Battle,

-enect of trography on renal infection in pattents with inni-tiple myeloma (ab), Michael Brown and John D. Battle, Jr., 85: 191, 1965
-renal extraction of PAH in man following abdominal aortog-raphy, Alan J. Davidson, Herbert L. Abrams, and Thomas A. Stamey, 85: 1043, 1965
-renal function judged with radioactive Diodrast after selective renal angiography in dogs (ab), B. Bodforss et al, 85: 308, 1965

85: 398, 1965

85: 398, 1965
—return of function of kidney not visualized on intravenous pyelogram for 1 1/2 years (ab), Anaxagoras N. Papaioannou and Alexander Brunschwig, 85: 1148, 1965 renograms. See also other subheads under Kidneys

-major segmental renal arterial constriction: experimental study in dog, Robert Shapiro, John Doppman, Richard Cobb, and John J. Kneisel, 85: 462, 1965

Neohydrin Hg197 and renal scintiscanning (ab), A. Desgrez et al, 85: 199, 1965
 trail of radioisotope renogram (ab), E. S. Garnett, 85: 602,

—variation in kidney length during intravenous pyelogram (ab), S. M. Wolpert, 85: 1003, 1965 sponge. See Kidneys, cysts surgery. See Kidneys, excision

surgery. See K transplantation

-past and future of organ transplantation, Thomas E. Starzl and Thomas L. Marchioro, 85: 369, 1965 -prolongation of renal homograft function by local graft radiation (ab), H. Myron Kauffman, Jr., et al. 85: 809,

1965

B. P. Sammons, 85: 1003, 1965
wounds and injuries

Johnson Millings and Injuries and A. Schnauder, 85: 192, 1965 renal arteriovenous fistula following percutaneous renal biopsy, A. Franklin Turner and George Jacobson, 85: 460, 1965

KILIAN, DUANE J. See VENABLE, JOHN R.
KILLEN, D. A. See SAWYERS, J. L.
KILLEN, D. A. See FLIEDNER, T. M.
KILLENANN, S. A. See FLIEDNER, T. M.
KIM, MATTHEW. See LAWRENCE, WALTER, Jr.
KIM, YOUNG SONG. See BLANCHARD, ROBERT
KIMELDORF, DONALD J. See PHILLIPS, RICHAR
KINCAID, OWINGS W. See BEABOUT, JOHN W.
KINMONTH, J. B. See JANTET, G. H.
KIRKSEY, THOMAS. See SINGLETON, A. O., Jr.
KIRNER'S DEFORMITY. See Fingers and Toes, ab

abnormali-

KISHIMOTO, TAKASHI, HIGUCHI, TERUO, ENDO, MIN-ORI, and KAI, YOSHIO: Lymphography in a patient with unilateral chyluria (ab), 85: 389, 1965 KISSELER, B., LEISTNER, G. H., and BARTH, E.: Roentgenologic diagnosis of pancreatic disease, 85: 59,

KITANI, KENICHI. See UEDA, HIDEO KIVY-ROSENBERG, EVELYN. See ZWEIFACH, BENJAMIN W.

W.
KLATTE, EUGENE C. See O'NEILL, JAMES A., Jr.
KLUGH, GEORGE A. See SUTINEN, SEPPO

-arthrography and arteriography in pigmented villonodular synovitis of knee (ab), Burton I, Rein et al, 85: 596, 1965

effects of irradiation

effect of single 2,000 R exposure of x-rays upon uptake of

SS by mouse knee joint (ab), C. W. Wilson, 85: 408, 1965

-arthrography and arteriography in pigmented villonodular synovitis of knee (ab). Burton I. Rein et al. 85: 596,

1965
KNEISEL, JOHN J. See SHAPIRO, ROBERT
KNYVETT, A. F. See ABRAHAMS, E. W.
KOCH, W. See MAURER, H.-J.
KOEHLER, P. RUBEN: Radiographic visualization of the
substernal lymph nodes, 85: 565, 1965
KÖHLER, ROLF, and VILJANEN, VEIKKO: Angiographically demonstrated arteriovenous shunting in circulatory
obstructions in the lower extremities (ab), 85: 388,
1965 1965

KOGAN, J. See MUNK, J.
KOGUT, M. D., KAPLAN, S. A., COLLIPP, P. J., TIAMSIC,
T., and BOYLE, D.: Treatment of hyperthyroidism in
children: analysis of forty-five patients (ab), 85: 1008,

1965
KOHN, HENRY I., BAILAR, JOHN C., III, and ZIPPIN, CALVIN: Radiation therapy for cancer of the cervix: its
late effect on the lifespan as a function of regional dose
(ab), 85: 1152, 1965
KOLKER, PAUL. See EPSTEIN, BERNARD S.
KOSOWICZ, JERZY: Roentgen appearance of the hand and
wrist in gonadal dysgenesis (ab), 85: 999, 1965
KOSZALKA, T. R. See GERBER, G. B.
KOTTKE, BRUCE A., FAIRBAIRN, JOHN F., II, and DAVIS,
GEORGE D.: Complications of aortography (ab), 85:
587, 1965

KOTTLER, R. E.: Respiratory distress syndrome in the newborn: radiological aspects (ab), 85: 380, 1965

KOURIAS, BASILE G., and CHOULIARAS, AGAMEMNON:
Spontaneous gastrointestinal biliary fistula complicating

nodenal ulcer (ab), 85; R, SIMON. See PEI

GRASHON. See PEREZ-TAMAYO, R. SERVISION. SEE PEREZ-TAMAYO, R. SERVISION, PHILIP AVAGE, WALTER, and MICHAELSON, SOL M.: Antibiotic therapy after exposure to x-rays (ab), 85: 202,

RAUSE, RAYMOND J. See HAFNER, CHARLES D. REEL, LOUIS, and WILLIAMS, ROGER: Arteriovenography of the portal system (ab), 85: 588, 1965—See BLENDIS, L. M.

KŘEN, V. See BRZEK, V. KRENKEL, V. Kh. See NIKBERG, N. I.

KRICHEFF, IRVIN I. See CHASE, NORMAN E.
—See LIN, JOSEPH PEN-TZE
—See SCHNECK, STUART A.
KRIGE, H., and TIMME, A. H.: Radiological and pathological findings in bilateral renal cortical necrosis: report of a case showing renal calcification (ab), 85: 397, 1965
KROVETZ, L. JEROME, LORINCZ, ANDREW E., and SCHIEBLER, GEROLD L.: Cardiovascular manifestations of the Hurler syndrome: hemodynamic and angiocardiographic observations in 15 patients (ab), 85: 989, 1965
—See BROGDON, B. G.
KRUYFF, E.: Occipital dysplasia in infancy: the early recogni-

KRUYFF, E.: Occipital dysplasia in infancy: the early recognition of craniovertebral abnormalities, 85: 501, 1965

KRYPTON
radioactive. See Radiokrypton
KUHN-MOUNIER SYNDROME. See Trachea, dilatation
KUHN-MOUNIER SYNDROME. See Trachea, dilatation
KUPIC, EDWARD A. See NEYAZAKI, TOSHIHIKO
KURNICK, N. B., and NOKAY, NAIME: Abscopal effects of
x-irradiation on mouse bone marrow (ab), 85: 203, 1965
KUROHARA, S. S., HEMPELMANN, L. H., ENGLANDER,
C. L. S., FULLER, L. M., and RUBIN, P.: Eosinophilia
atter exposure to ionizing radiation (ab), 85: 406, 1965
KURTZMAN, RAYMOND S. See LEWIS, BENJAMIN M.
See OTTO, DONALD L.
KUSHNER, LOIS N. See SILBIGER, MARTIN L.

LACOMBE, ELEANOR. See RAND, PETER W.
LaFAVE, JAMES W. See BLANCHARD, ROBERT J.
LAFFERTY, W. See JOWSEY, JENIFER
LAKIR, K.M. See VASILIERA, V. V.
LAMBDOID SUTURE. See Cranium
LAMBREW, COSTAS T. See BRAUNWALD, EUGENE
LAMPE, I. See ABELL, M. R.
—See FAYOS, J.
LAMPERT, PETER W., and DAVIS, RICHARD L.: Delayed
effects of radiation on human central nervous system:
"early" and "late" delayed reactions (ab), 85: 201, 1965
LANG, ERICH K.: Clinical evaluation of side-effects of radiopaque contrast media administered via intravenous and
intra-arterial routes in the same patient: a preliminary
report, 85: 666, 1965
LANGDON, EDWARD A. See KAUFMAN, JOSEPH J.

report, 85: 606, 1900 LANGDON, EDWARD A. See KAUFMAN, JOSEPH J. LANGENSKIÖLD, A., and RISKA, ERIK B.: Tibia vara (osteo-chrondrosis deformans tibiae): survey of 71 cases (ab),

85: 188, 1965
LANGER, SEYMOUR. See THOMPSON, J. ROBERT
LANSING, ALLAN M.: Radiological changes in pulmonary
atelectasis (ab), 85: 783, 1965
LAPRAS, Cl. See BUFFARD, P.
LARSON, ROGER K., and GORDINIER, RICHARD: Pulmonary alveolar proteinosis: report of six cases, review of
the literature, and formulation of a new theory (ab), 85:

LARYNX

987, 1965

—indications for high-speed electron therapy (ab), P. M. Van Vaerenbergh and K. Schelstraete, 85: 403, 1965 —transtracheal approach to laryngography, Lawrence H. Cap-lan and Allan Naimark, 85: 439, 1965

cent cinefluorographic advances in palatopharyngeal roentgenography (ab), Robert F. Sloan et al, 85: 380, 1965 -recent

1965
reentgenography. See also other subheads under Larynx
--postcricoid impression on esophagus (ab), R. G. Pitman and
G. M. Fraser, 85: 788, 1965
--radiologic examination of Larynx: progress of medical
science (ab), Melvyn H. Schreiber, 85: 782, 1965
--transtracheal approach to laryngography, Lawrence H.
Caplan and Allan Naimark, 85: 439, 1965

see of cinefluorography for radiological examination of larynx and hypopharynx in cases of suspected carcinoma (ab), Jacob I, Fabrikant and Robert J. Dickson, 85: 782, 1965

LASA, D. See ESTEBAN, J.

LASERS (light amplification by stimulated emission of radiation)

—effect of needymium laser radiation on 2 experimental malignant tumor systems (ab), John Peter Minton et al., 85:

nant tumor systems (ab), John Peter Minton et al., 85: 1161, 1965

—effect of ruby laser radiation on Cloudman S-91 melanoma in CDBA/2F1, bybrid mouse (ab), John Peter Minton and Alfred S. Ketcham, 85: 608, 1965

—method for predicting malignant tumor destruction by laser radiation (ab), John Peter Minton and Marvin Zelen, 85: 1010, 1965

LASSEN, N. A. See HÄGGENDAL, E. LATHROP, KATHERINE A. See HÄRPER, PAUL V. LAUGHLIN, JOHN S.: High energy electron treatment planning for inhomogeneities (ab), 85: 1005, 1965

LUNDY, A., PHILLIPS, R., CHU, F., and SATTAR, A.: Electron-beam treatment planning in inhomogeneous tissue, 85: 524, 1965

Electron-beam treatment planning in inhomogeneous tis-sue, 85: 524, 1965

LAW, SAM W., and OVERSTREET, JOHN W.: Pulsion diver-ticula of the mid-thoracic esophagus (ab), 85: 391, 1965

LAWRENCE, D. C. See HENSCHKE, U. K.

LAWRENCE, JOHN H.: Radioisotopes and radiation in bio-medical research: nuclear techniques in biomedical re-search (ab), 85: 806, 1965

—TOBIAS, CORNELIUS A., LINFOOT, JOHN A., BORN, JAMES L., MANOUGIAN, ELWARD, and LYMAN, JOHN: Heavy particles and the Bragg peak in therapy (ab), 85: 1006, 1965

LAWRENCE, JOHN S.: Irradiation leukemogenesis (ab), 85:

LAWRENCE, JOHN S.: Irradiation leukemogenesis (ad), 85: 606, 1965

LAWRENCE, WALTER, Jr., KIM, MATTHEW, ISAACS, MARIAN, and RANDALL, HENRY T.: Gastric reservoir construction for severe disability after subtotal gastrectomy (ab), 85: 591, 1965

LAZAR, HAROLD P.: Survival following portal venous air embolization: report of a case (ab), 85: 1145, 1965

-lead coating on tricuspid valve in dogs (ab), Erik Carlsson and Jack W. Love, 85: 389, 1965
-scattering of uncollimated cobalt 60 gamma radiation by concrete and lead barriers (ab), W. H. Henry and C. Gar-rett, 83: 196, 1965

Le BALLE. See SAUVEGRAIN, J. LEDERMAN, M.: Treatment of carcinoma of cervix (ab), 85: 195, 1965

Le DU. See BROCARD, H.
LEE, BURTON J. See SCHWARZ, GEORGE
LEE, H. M. See KAUFFMAN, H. MYRON, Jr.
LEE, HUN, RICHARDS, VICTOR, and MAICHLE, MARIA:
Dry mass distribution changes in mouse bone marrow cell
population during the first 24 hours after x-irradiation as
determined by interferometry (ab) 85: 1163, 1965.

population during the first 24 hours after x-irradiation as determined by interferometry (ab), 85: 1163, 1965
LEEDS, NORMAN E., and ABBOTT, KENNETH H.: Collateral circulation in cerebrovascular disease in childhood via rete mirabile and perforating branches of anterior chroridal and posterior cerebral arteries, 85: 628, 1965
LEFEBVRE, J. See DEBRUN, G.
LEGAL, J., and CAMPBELL, E. M.: A device to facilitate threading of cobalt-60 beads, 85: 959, 1965
LE GOUAS, J. J. See DELAHAYE, R. P.
LEGS

LEGS
See also Extremities; Tibia; etc.

See also Extremities; Tibia; etc.

-angiographic evaluation of swollen limbs (ab), L. K. Thompson, III, and W. G. Anlyan, 85: 187, 1965

-unilateral chylous lymphedema and xanthomatosis: study of factors governing flow of intestinal lymph (ab), R. B. Goldrick and E. H. Ahrens, Jr., 85: 182, 1965

LEIGHTON, R. S. See RUGGIERO, G.

LEIOFIBROMYOMA. See Tumors, myoma

LEIOMYOMA. See Tumors, myoma

LEISTNER, G. H. See KISSELER, B.

LeMAY, MARJORIE, and ABRAMOWICZ, ARTUR: Pneumoencephalographic findings in various forms of cerebellar degeneration, 85: 284, 1965

-and JACKSON, DAVID M.: Changes in anterior choroidal artery in intracranial lesions (ab), 85: 171, 1965

-and PIRO, ANTHONY J.: Cavitary pulmonary metastases (ab), 85: 887, 1965

LENDRUM, BESSIE L. See D'CRUZ, IVAN A.

LENIHAN, J. M. A.: Radioisotopes and radiation in biomedical research: trace elements in biomedical research: (ab), 85: 806, 1965

LENNARD, ARNOLD S. See GRONDIN, CLAUDE

LEONARD, ARNOLD S. See GRONDIN, CLAUDE LENS, CRYSTALLINE

LENS, CRYSTALLINE

-effects of x-irradiation on injury reaction in lens epithelium
(ab), Clifford V. Harding et al, 85: 1011, 1965

LEROUX, M. J. See BONNARD, J.

LESHER, SAMUEL, SACHER, GEORGE A., GRAHN,
DOUGLAS, HAMILTON, KATHERINE, and SALLESE,
ANTHONY: Survival of mice under duration-of-life exposure to gamma rays. II. Pathologic effects (ab), 85:
1012, 1965

LLOYD, H. M. See AUTHERN D. E.

LLOYD, H. M. See AITKEN, R. E. LEPROSY

radiology of leprosy (ab), L. Cave et al, 85: 793, 1965 LÉRI-WEILL SYNDROME. See Bones, growth LESSURE, ALFRED P. See FELSON, BENJAMIN LESTER, RICHARD G. See McCUE, CAROLYN M.

chromosome aberrations in radiation workers (ab), Amos Norman et al., 85: 201, 1965 -irradiation leukemogenesis (ab), John S. Lawrence, 85: 606, 1965 etiology and pathogenesis

therapy
—radiation and drug-induced hyalinization of stomach (ab),
J. Chandler Smith and Robert P. Bolande, 85: 1161, 1965 LEUKOCYTES

See also Eosinophils; Lymphocytes -chromosome aberrations in radiation workers (ab), Amos Norman et al., 85: 201, 1965 -chromosome abnormalities in liver and marrow of mice ir-

radiated with fast neutrons, gamma rays, and x-rays: effect of dose rate (ab), Peter C. Nowell et al, 85: 810, 1965 comparison of tritiated thymidine, tritiated water,

Comparison of tritiated thymidine, tritiated water, and cobalt-60 gamma rays in inducing chromosomal aberrations (ab), William C. Dewey et al., 85: 1011, 1965
 Granulocyte reserve following radiation therapy as studied by response to bacterial endotoxin (ab), Samuel Hellman and Martin E. Fink, 85: 1161, 1965
 Granulocytopoiesis. I. Senescence and random loss of neutrophilic granulocytes in human beings (ab), T. M. Fliedner et al, 85: 200, 1965

LEUKO -per LEUKO LEVIN, LeVINE

Vol. 85

LEVOC LEVY, LEVY, LEWIS

LEVITT

LHEUI

LICHT LIEBE LIEBN

LICH,

LIGHT LILIE LILLA

LINDE

LINDI LINDI LINDS LINEA LINEA Se-de

-liz

-lir

-su LINEC LINE LIPIO LIPOO

LIPS

LIU,

LEUKOCYTES-cont.

LEUKOCYTES—conl,
 —granulocytopoiesis. II. Emergence and pattern of labeling of neutrophilic granulocytes in humans (ab), T. M. Fliedner et al, 85: 200, 1965.
 —persistent chromosomal aberrations following radioiodine therapy (ab), Mohammed M. Nofal and William H. BURCHEWALES, 85: 603, 1965.
 LEUKOPLAKIA. See Mouth, leukoplakia
 LEVIN, EMANUEL J. See BRYK, DAVID
 LeVINE, MILTON, SCHWARTZ, SOLOMON, KATZ, ISADORE, BURKO, HENRY, AND RABINOWITZ, JACK:
 Plain film findings in intussusception (ab), 85: 592, 1965.

LEVITT, SEYMOUR H., CONDIT, PAUL T., and BOGARDUS, CARL R., Jr.: Split-dose intensive radiation therapy in the treatment of patients with advanced carcinoma of the

Jung, 85: 738, 1965 and RUBIN, PHILIP: Early invasive carcinoma of the cervix: a problem of definition and treatment, 85: 711,

1965
LEVOCARDIA. See Heart, abnormalities
LEVY, A. See ZINGESSER, L. H.
LEVY, MORRIS J. See ELLIOTT, LARRY P.
LEWIS, BENJAMIN M., KURTZMAN, RAYMOND S., MARTIN, NEIL D., and BOUSHY, SAMUEL F.: Effects of
sarcoid on the lungs (ab), 85: 1138, 1965
LEWIS, P. See FRAIMOW, W.
LEWITAN, ALEXANDER, and GARCIA, JOSE FELIX: Peroral cholegraphy with ipodate calcium (ab), 85: 1145,
1965

1965
LIEUREUX, P. See GALY, P.
LIBBY, RAYMOND L.: Statistical evaluation of 125-I vs 131-I
for scanning cold lesions (ab), 85: 603, 1965
LICH, ROBERT, Ir., HOWERTON, LONNIE W., Jr., GOODE,
LYDON S., and DAVIS, LAWRENCE A.: Ureterovesical
junction of the newborn (ab), 85: 399, 1965
LICHTER, IVAN, and BORRIE, JOHN: Intramural oesophageal abscess (ab), 85: 1143, 1965
LIEBER, ARTHUR. See BLANK, NORMAN
—See BRYANT, LESTER R.
LIEBNER, EDWIN J. See SIEGEL, PETER
LIGAMENTS
flava

fl

trapleural air sign in pneumoneciasumin 65. 2007, 11 Capter 161. C. WALTON. See BILGUTAY, AYDIN M. LIN, JOSEPH PEN-TZE, KRICHEFF, IRVIN I., and CHASE, NORMAN E.: Comparative blood pressure changes in angiography with meglumine iothalamate 60 per cent (60 per cent Conray) and 50 per cent sodium diatrizoate (50 per cent Hypaque), 85: 1033, 1965.

LINDBLAD, BO, EKENGREN, KRISTINA, and AURELIUS, GÖRAN: Prognosis of acute haematogenous osteomyelitis and its complications during early infancy after the advent of antibiotics (ab), 85: 792, 1965.

LINDNER, ARTHUR E. See JANOWITZ, HENRY D. LINDNER, D. W. See GURDJIAN, E. STEPHENS LINDSAY, STUART. See WARD, ROBERTSON LINEA M. SOLEI. See Tibia LINEAR ACCELERATOR

LINEA M. SOLEI. See Tibia
LINEAR ACCELERATOR

See also Electrons

—depth-dose tables for 6 Mv x rays for use with constant
source-lesion distance, Herman R. Haymond and James
K. Ashikawa, 85: 143, 1965
—linear accelerator supervoltage radiation therapy: carcinoma
of bladder (ab), Robert H. Sagerman et al, 85: 802, 1965
—linear accelerator supervoltage radiotherapy. VII. Carcinoma of prostate, Malcolm A. Bagshaw, Henry S.
Kaplan and Robert H. Sagerman, 85: 121, 1965
—supervoltage radiation therapy: use of linear accelerator for
treating ovarian adenocarcinoma (ab), Robert H. Sagerman et al, 85: 1004, 1965

LINFOOT, JOHN A. See LAWRENCE, JOHN H.
LINKLETTER, A. M. See BARRON, L. R.
LIPIODOL. See Radioiodine; under organs and regions, as
Bronchi, roentgenography

LIPOCHONDRODYSTROPHY

cardiovascular manifestations of Hurler syndrome: hemo-dynamic and angiocardiographic observations in 15 patients (ab), L. Jerome Krovetz et al, 85: 989, 1965

LIPS

cancer
—indications for high-speed electron therapy (ab), P. M. Van
Vaerenbergh and K. Schelstraete, 85: 403, 1965
LISTERIA. See Bacteria, monocytogenes
LITWIN, S. BERT, FRALEY, ELWIN E., CLOUSE, MELVIN
E., and ULFELDER, HOWARD: Lymphography in
patients with pelvic cancer (ab), 85: 589, 1965
—See FRALEY, ELWIN E.
LIU, CHING-TONG, and OVERMAN, R. R.: Responses of
x-irradiated dogs to induced muscular contraction in vivo
(ab), 85: 1162, 1965

LIVER

IVER

See also Bile Ducts; Biliary Tract; Portal Vein

blood supply

-capnohepatography: intravenous retrograde gas angiography of liver veins with carbon dioxide, Karl T. Dockray, Robert R. Burns, and John Moore, 85: 740, 1965

-measurement of local hepatic circulation: technic using
tissue clearance of radioactive sodium (Na<sup>22</sup>) (ab), Bernard
Sigel and Marcos Y. Que, 85: 1009, 1965

calcification. See Liver, tumors

cancer — combined therapy with 220 kv roentgen and 10 cm microwave heating in rat hepatoma (ab), Donald B. Cater et al, 85: 195, 1965
—hepatic outflow occlusion during hepatic artery infusion with chemotherapeutic agents (ab), Louis M. Rousselot et al, 85: 787, 1965

iron-59 absorption measurements by whole-body counting: studies in alcoholic cirrhosis, hemochromatosis, and pan-creatitis (ab), D. J. Deller, 85: 1158, 1965

-portal venography and pressure measurement at peritoneo copy (ab), S. Yamamoto, T. B. Reynolds, 85: 588, 196

ysts — c-cholecystography in presence of polycystic disease of liver: report of case and review of literature, Robert E. Sandy, 85: 895, 1965—hepatorenal polycystosis (ab), P. Bret and C. Duquesnel, 85: 186, 1965

diseases

-intravenous radioportography: screening procedure for patients with portal hypertension (ab), R. D. Grünert et al, 85: 1009, 1965 effects of irradiation

-chromosome abnormalities in liver and marrow of mice irradiated with fast neutrons, gamma rays, and x-rays; effect of dose rate (ab), Peter C. Nowell et al, 85: 810,

-production of "fatty liver" by x-irradiation (ab), Cesare Agostini et al. 85: 407, 1965

Agostini et al, 85: 407, 1965
—radiation hepatitis (ab), John A. Ingold et al, 85: 809, 1965
inflammation
—percutaneous transhepatic cholangiography (ab), Robert
J. Flemma et al, 85: 791, 1965
—radiation hepatitis (ab), John A. Ingold et al, 85: 809, 1965
pathology

- ratinator of the pathology pathology — acute plasma disappearance time of radioactive thyroxine in patients with cancer (ab), D. Joseph Pastorelle, Jr., and Arthur Turk, 85: 1158, 1965

and Arthur Turk, 85: 1138, 1905

scanning
—detection of portal systemic shunts by hepatopulmonary
scanning using I<sup>131</sup> MAA: study and application of macroaggregated albumin (MAA) labelled with I<sup>131</sup> (III) (ab),
Hideo Ueda et al, 85: 1159, 1965

tuberculosis
—tuberculosis propobalidary fistular, report of unusual case

iberculosis
-tuberculous bronchobiliary fistula: report of unusual case
with demonstration of fistulous tract by percutaneous
transhepatic cholangiography (ab), Robert J. Flemma and
William G. Anlyan, 85: 997, 1965

tumors numors
—calcification in liver metastases from neuroblastoma, Paul
Ross, 85: 1074, 1965
—malignant extra-adrenal pheochromocytoma (ab), Lars R.
Holsti, 85: 601, 1965

Holsti, 85: 601, 1965
—selective hepatic arteriography: normal anatomy, anatomic variations, and pathological conditions, H. Jerome Stulberg and Howard R. Bierman, 85: 46, 1965
—statistical evaluation of 1<sup>128</sup> vs 1<sup>121</sup> for scanning cold lesions (ab), Raymond L. Libby, 85: 603, 1965
LIVINGSTON, KENNETH E. See SCHNEIDER, RICHARD

LUCIANAI, L. See CHIAPPA, S. LOCKPORT INCIDENT. See Radiations, Injurious Effects,

LOUKPORT INCIDENT. See Radiations, Injurious Effects, accidental
LODWICK, GWILYM S. See TEMPLETON, ARCH W.
—See WILSON, WILLIAM J.
LOEBEL, ARTHUR S., JEREZ, ROGER, and DANZIG, LEONARD S.: Gastrointestinal bleeding associated with carcinoid tumor of duodenum (ab), 85: 183, 1985
LOGAN, WILLIAM D., Jr., ROHDE, FEDERICO C., ABBOTT, OSLER A., and MELTZER, HAROLD D.: Multiple pulmonary fibroleiomyomatous hamartomas: report of a case and review of the literature (ab), 85: 785, 1965
LONDON
—hospital visits in Lordes 25: 600.

LONDON

-hospital visits in London, 85: 374, 1965
LONGACRE, J. J. See BROWN, OWEN L.
LONGO, PEDRO H. See ZACLIS, JOSE
LORINCZ, A. E. See BROGDON, B. G.

-See KROVETZ, L. JEROME
LORING, MARVIN F.: Malignant tumors of the nasopharynx
(ab), 85: 798, 1965
LOVE, J. GRAFTON, and SCHORN, VICTOR G.: Thoracicdisk protrusions (ab), 85: 1000, 1965
LOVE, JACK W. See CARLSSON, ERIK
LOWMAN, ROBERT M., and BLOOR, COLIN M.: Experimental coronary arteriography, 11. Injuries associated
with selective coronary arteriography, 85: 645, 1965
LOWREY, R. S., and BELL, M. C.: Whole-body irradiation in
the young pig: growth, hematology, and metabolism of
calcium-45 and strontium-89 (ab). 85: 404, 1965

Vol. 8

LUNC sypl

---p

vita --- p

WOI

LYM

ro

LUCAS, RUSSELL V., Jr. See MOLLER, JAMES H.
LUCZON, LUCIANO U.: Otitis media: a clinical, bacteriological and roentgenological study (ab), 85: 782, 1965
LUKE, H. A.: Nisbet symposium: tumours of bladder. (2)
Radiological aspects (ab), 85: 194, 1965
LUND, CURTIS J. See DONOVAN, JOHN C.
LUNDBERG, MAX: Free movements in the temporomandibular joint: a cineradiographic study (ab), 85: 579,
1965

1965
LUNDQUIST, CHARLES B., and AMPLATZ, KURT: The subvalvar aortic jet. 85: 635, 1965
—AMPLATZ, KURT, PALMA, SANTIAGO PRADO, and RAGHIB, GUNAY: Angiocardiographic findings in idiopathic myocardial hypertrophy with right and left ventricular outflow tract obstruction (ab), 85: 990, 1965
LUNDY, A. See LAUGHLIN, JOHN S. LYMAN, JOHN. See LAWRENCE, JOHN H.

also Bronchi; Bronchiectasis; Pleura; Radiobiology;

etc.
blood supply. See also Arteries, bronchial; Arteries, pulmonary; Embolism, pulmonary; Thrombosis, pulmonary;
Veins, pulmonary; other subheads under Lungs
—effect of prolonged atelectasis or ischemia upon lungs of
growing dogs (ab), Richard M. Peters et al, 85: 988,
1965

1965
-guided catheterization of bronchial arteries. Part I: Technical considerations, Manuel Viamonte, Jr., Raymond E. Parks, and William M. Smoak, III, 85: 205, 1965
-transverse myelitis following selective bronchial arteriography, Howard H. Feigelson and Herbert A. Ravin, 85: 663, 1965

1995)
unusual distribution of pulmonary blood flow between right
and left lung in man: study and application of macroaggregated albumin (MAA) labeled with I<sup>121</sup> (II) (ab),
Hideo Ueda et al, 85: 805, 1965

varicella pneumonia: possible cause of subsequent pul-monary calcification (ab), E. W. Abrahams et al, 85: 381,

cancer
—analysis of 155 solitary lung lesions illustrating the differential diagnosis of mixed tumors of lung (ab), Eric M.
Bateson, 85: 785, 1965
—appearance of first roentgenographic abnormalities due to
lung cancer (ab), Katharine R. Boucot et al., 85: 581,
1965

1963
—bronchial carcinoid with osteoblastic metastases: cases with carcinoid syndrome (ab), George A. Hyman and Josephine Wells, 85: 176, 1965
—calcification in intracranial metastases (ab), D. Gordon Potts and Gerhart T. Svare, 85: 577, 1965
—carcinoma of lung: results of supervoltage radiation therapy (ab), Luther W. Brady et al, 85: 799, 1965

(ab), Luther w. Brady et al, 85: 799, 1905 -cavitary pulmonary metastases (ab), Marjorie LeMay and Anthony J. Piro, 85: 987, 1965 -diagnostic value of Lipiodol bronchography in cancer of -diagnostic

-magnosuc value of Lipiodol bronchography in cancer of large bilar bronchi inaccessible to endoscopy (ab), P. Galy et al. 85; 785, 1965 -effects of radiation therapy on pulmonary function in car-cinoma of lung, Luther W. Brady, Patricia A. Germon and Leon Cander, 85; 139, 1965 -guided catheterization of bronchial arteries. Part II:

Part II: Pulmonary and mediastinal neoplasms, Manuel Viamonte, Jr., Raymond E. Parks, and William M. Smoak, III, 85: 214, 1965

85: 214, 1965
intrathoracic squamous-cell carcinoma, central and peripheral (ab), C. Eugene Woodruff and Wilbur J. Steininger 85: 1138, 1965
limits of visibility of bronchogenic carcinoma (ab), Erich Goldmeier, 85: 988, 1965
malignant pulmonary cavity (ab), M. Rutishauser, 85: 1137, 1965
Methotrexate therapy in 2 cases of trophoblastic tumors of uterus involving lungs (ab), C. Nyström et al, 85: 597, 1965 1965

-regression of pulmonary metastases from renal adenoc cinoma (ab), P. Gonick and N. M. Jackiw, 85: 1 1965

1965
-results of radiation therapy in patients with inoperable carcinoma of lung whose status was established at exploratory
thoracotomy (ab), Ruth J. Guttmann, 85: 800, 1965
-reentgenographic signs of thrombosis of superior vena cava
and tributaries in neoplastic disease (ab), David B.
Hayt, 85: 787, 1965
-split-dose intensive radiation therapy in treatment of
patients with advanced carcinoma of lung, Seymour H.
Levitt, Paul T. Condit, and Carl R. Bogardus, Jr., 85:
738, 1965

statistical considerations on bronchogenic carcinoma of iron miner of Lorraine Valley (ab), J. Roussel et al, 85: 383, 1965

—superior mediastinal syndrome in children with cancer (ab), Giulio J. D'Angio et al, 85: 1151, 1965— -therapeutic roentgenology: preliminary report on selective application of cytostatics and transthoracic needle coagu-lation of bronchial carcinomas (ab), Björn Nordenström, 85: 1152, 1965

See Lungs, cancer

apse. See also Pneumothorax feet of prolonged atelectasis or ischemia upon lungs growing dogs (ab), Richard M. Peters et al, 85: 9 1965 collapse. --

-interalveolar air drift, Stanley B. Reich and Jacob Abouay, 85: 80, 1965

-radiological changes in pulmonary atelectasis (ab), Allan M.

Lansing, 85: 783, 1965

—respiratory distress syndrome in newborn: radiological aspects (ab), R. E. Kottler, 85: 380, 1965

diseases. See also Emphysema; Pneumonia; Pneumonitis; other subheads under Lungs

-bronchiolectasis ectasis: clinical syndrome and its relationship to lung disease (ab), C. E. Buckley, III, et al, 85;

985, 1965
histiocytosis X: report of 15 cases in pediatric age group
(ab), Rafic E. Melhem et al, 85: 599, 1965

lung scanning with radioiodinated macroaggregates of
human serum albumin (ab), Leonard Rosenthall, 85:

proteinosis. See Proteinosis sarcoidosis See Sarcoidosis

acheobronchial collapse during cough, John E. Rayl, 85: 87, 1965 87, 1965 effects of drugs on

-cardiopulmonary response to injection of angiographic con-trast medium (ab), J. L. Sawyers et al, 85: 179, 1965 -pulmonary tissue reaction following Hytrast bronchograms (ab), S. Donald Greenberg et al, 85: 581, 1965

effects of irradiation
-effects of radiation therapy on pulmonary function in carcinoma of lung, Luther W. Brady, Patricia A. Germon and Leon Cander, 85: 130, 1965

edema

Jema pulmonary edema following an epileptic seizure (ab), H. Constance Bonbrest, 85: 783, 1965
Pollmonary edema following treatment of arrhythmias by direct-current shock (ab), Leon Resnekov and Lawson McDonald, 85: 1137, 1965

fibrosis
—calcified pleural plaques in asbestosis: investigation into
their significance (ab), S. F. Oosthuizen et al, 85: 382, 1965

neonatal focal hyperaeration of lungs (Wilson-Mikity syn-drome), Herman Grossman, Walter E. Berdon, Abraham Mizrahi, and David H. Baker, 85: 409, 1965

hemorrhage
—nonfatal pulmonary hemorrhage and glomerulonephritis
(ab), C. B. McCall et al, 85: 1136, 1965
hyaline membrane disease. See Hyaline Membrane Disease

pseudotumoral form of pulmonary infarcts: anatomico-pathologic study (ab), J. Roujeau and J. de Brux, 85: 785, 1965 infarction

pulmonary changes in malignant trophoblastic disease (ab), K. T. Evans et al, **85**: 1138, 1965 See Actinomycosis

mycosis. pathology

pathology
—changes in pulmonary function due to lymphangiography,
W. Fraimow, S. Wallace, P. Lewis, R. R. Greening, and
R. T. Catheart, 85: 231, 1965
—effects of sarcoid on lungs (ab), Benjamin M. Lewis et al,
85: 1138, 1965
—enonatal focal hyperaeration of lungs (Wilson-Mikity syndrome), Herman Grossman, Walter E. Berdon, Abraham
Mizrahi, and David H. Baker, 85: 409, 1905
—tracheobronchomegaly (Mounier-Kuhn syndrome) (ab), P.
Rossi et al, 85: 176, 1965
physiology. See also Lungs, vital capacity
—clinical evaluation of side-effects of radiopaque contrast
media administered via intravenous and intra-arterial
routes in same patient: preliminary report, Erich K.
Lang, 85: 666, 1965
—dual lung-scanning technic for evaluation of pulmonary

dual lung-scanning technic for evaluation of pulmonary function, George V. Taplin and Norman D. Poe, 85: 365, 1965

interalveolar air drift, Stanley B. Reich and Jacob Abouav,

55: 80, 1965
—pulmonary function in ankylosing spondylitis (ab), John M. Miller and Brian J. Sproule, 85: 177, 1965
roentgenography. See also Bronchi, roentgenography; Emphysema, pulmonary; Thorax, roentgenography; other subheads under Lungs
—septal lines in pneumoconiosis (ab), David H. Trapnell, 85: 382, 1965
—septal lines in surveident (ct.).

-septal lines in sarcoidosis (ab), David H. Trapnell, 85: 383,

1965
sarcoid. See Sarcoidosis
scanning. See also other subheads under Lungs
—detection of portal systemic shunts by hepatopulmonary
scanning using 1131 MAA: study and application of
macroaggregated albumin (MAA) labelled with 1131 (III).
(ab), Hideo Ueda et al, 85: 1159, 1965
—lung scanning with radioiodinated macroaggregates of
human serum albumin (ab), Leonard Rosenthall, 85:
1158, 1965
—technetium 99m as scanning agent, P. V. Harper, K. A.

-technetium 99m as scanning agent, P. V. Harper, K. A. Lathrop, F. Jiminez, R. Fink, and A. Gottschalk, 85: 101,1965

of

£. al S

ppnins
-pseudotuberculous pulmonary syphilis: report of case with
radiologic evidence of healing (ab), R. Voog et al, 85:
784, 1965

mmors
-analysis of 155 solitary lung lesions illustrating the differential diagnosis of mixed tumors of lung (ab), Eric M.
Bateson, 85: 785, 1965
-cosinophilic granuloma of lung: report of 3 cases in Negro
patients (ab), Lawrence A. Dummore, Jr., and Sami
Ayoub El-Khoury, 85: 382, 1965
-cosinophilic granuloma of lungs: roentgenologic and pathologic features (ab), J. Robert Thompson and Seymour
Langer, 85: 382, 1965
-guided catheterization of bronchial arteries. Part III:

Langer, 85: 382, 1965
—guided catheterization of bronchial arteries. Part III:
Nonmalignant pulmonary and mediastinal pathologic
conditions, Manuel Viamonte, Ir., Raymond E. Parks,
and William M. Smoak, III, 85: 221, 1965
—multiple pulmonary fibroleiomyomatous hamartomas: report of case and review of literature (ab), William D.
Logan, Jr. et al, 85: 785, 1965
—primary lymphoma of lung: appraisal of its natural history
and comparison with other localized lymphomas (ab),
Anaxagoras N. Papaioannou and William L. Watson, 85:
1151-1965

1151, 1965

-pseudotumoral form of pulmonary infarcts: anatomico-pathologic study (ab), J. Roujeau and J. de Brux, 85: 785, 1965

polimonary changes in malignant trophoblastic disease (ab), K. T. Evans et al. 85: 1138, 1965 pulmonary varicosity, David Bryk and Emanuel J. Levin, 85: 834, 1965

85: 834, 1965
-roentgenographic signs of thrombosis of superior vena cava and tributaries in neoplastic disease (ab), David B. Hayt, 85: 787, 1965
-selective bronchial arteriography (ab), R. Schober, 85: -selective bi 179, 1965

179, 1965
—superior mediastinal syndrome in children with cancer (ab),
Giulio J. D'Angio et al, 85: 1151, 1965
vital capacity
—pulmonary function in ankylosing spondylitis (ab), John
M. Miller and Brian J. Sproule, 85: 177, 1965
vanishing. See Emphysema, pulmonary

-pulmonary varicosity, David Bryk and Emanuel J. Levin, 85: 834, 1965

wounds and injuries

-traumatic nonpenetrating lung contusion, Edward Stevens
and Arch W. Templeton, 85: 247, 1965

LYMPH NODES

See also Hodgkin's Disease; Leukemia; Lymphatic Sys-tem; Sarcoma, lymphosarcoma -unilateral chylous lymphedema and xanthomatosis; study of factors governing flow of intestinal lymph (ab), R. B. Goldrick and E. H. Ahrens, Jr., 85: 182, 1965

cancer — valuation of various angiographic methods in study of tumors of female genital organs (ab), R. de Dominicis et al, 85: 1002, 1965

al, 85: 1002, 1965

—gynecologic applications of lymphangiography (ab), Bao-Shan Jing et al, 85: 181, 1965

—intralymphatic radioactive therapy for pelvic cancer (ab), Peter Siegel and Edwin J. Liebner, 85: 805, 1965

—lymphangiography in advanced gynecologic cancer (ab), M. M. Hreshchyshyn and F. R. Sheehan, 85: 181, 1965

—lymphogram in tumorous retroperitoneal lymph block (ab), L. Beltz and P. Thurn, 85: 1142, 1965

—lymphographic appearances of malignant pelvic lymph node involvement (ab), B. F. Vaughan and J. P. Varey, 85: 181, 1965

—lymphography, cavography, and urography in evaluation of malignant lymphomas: study of 100 consecutive lymphoma cases (ab), George Schwarz et al, 85: 1143, 1965

—lymphography in management of palvic malignaphy in management of palvic malignaphy in management of palvic malignaphy.

1963

-lymphography in management of pelvic malignant disease
(ab), J. C. Hartgill, 85: 589, 1965

-lymphography in patients with pelvic cancer (ab), S. Bert
Litwin et al, 85: 589, 1965

ISEASES T-ecurrent unilateral hilar adenopathy in sarcoidosis (ab), Donald C. Kent, 85: 987, 1965 -value of tomography in lymphadenography (ab), T. de Roo, 85: 788, 1965

excision

-considerations on restoration of lymphatic circulation after pelvic lymphadenectomy (ab), S. Chiappa et al, 85: 1002, 1965

--pelvic lymphadenectomy as adjunct to radiation therapy in treatment for cancer of cervix (ab), Felix N. Rutledge et al, 85: 1152, 1965 roentgenography. See also other subheads under Lymph

odes

Nodes radiographic visualization of substernal lymph nodes, P. Ruben Koehler, 85: 565, 1965 -uses of lymphography, lymphadenography and color lym-phadenography in urology (ab), Elwin E. Fraley et al, 85: 995, 1965

-deformity of bladder secondary to pelvic lymphoma, Walter J. Farrell, 85: 898, 1965

—endolymphatic therapy with radioactive gold for malignant melanoma (ab), G. H. Jantet et al, 85: 197, 1965 LYMPHADENGGRAPHY. See Lymph Nodes LYMPHANGIECTASIA. See Lymphatic System LYMPHANGIGGRAPHY. See Lymph Nodes; Lymphatic

LYMPHATIC SYSTEM

MPHATIC SYSTEM

See also Lymph Nodes

-angiographic evaluation of swollen limbs (ab), L. K. Thompson, III, and W. G. Anlyan, 85: 187, 1965

-autopsy control studies on visceral distribution of radioactive Lipiodol injected in lymphatic system (ab), G. Fava and L. Roncoroni, 85: 198, 1965

-chyluria: lymphangiographic study and review of literature (ab), Jae Key Choi and Hall S. Wiedemer, 85: 590, 1965

-considerations on restoration of lymphatic circulation after pelvic lymphadenectomy (ab), S. Chiappa et al, 85: 1002, 1965

-endolymphatic therapy with redications.

-endolymphatic therapy with radioactive gold for malignant melanoma (ab), G. H. Jantet et al, 85: 197, 1965 abnormalities

-intestinal, lymphangiectasia: mechanism of enteric loss of plasma protein and fat (ab), S. P. Mistilis et al, **85**: 789, 1965

cancer collateral lymphatics in patients with gynecologic cancer (ab), M. M. Hreshchyshyn and F. R. Sheehan, 85: 796, 1965

fistula. See Fistula
roentgenography. See also Thoracic Duct
—cervical lymphatic system as visualized by lymphography
(ab), Ugo P. Fisch and Melvin E. Sigel, 85: 589, 1965
—changes in pulmonary function due to lymphangiography,
W. Fraimow, S. Wallace, P. Lewis, R. R. Greening, and
R. T. Cathcart, 85: 231, 1965

R. T. Catheart, 85: 231, 1965

evaluation of various angiographic methods in study of tumors of female genital organs (ab), R. de Dominicis et al, 85: 1002, 1965

-gynecologic applications of lymphangiography (ab), Bao-Shan Jing et al, 85: 181, 1965

-Hodgkin's disease: role of lymphangiography (ab), George Schwarz, 85: 589, 1965

-lymphangiography and chromosome studies in females with lymphedema and possible ovarian dysgenesis (ab), P. F. Benson et al, 85: 1902, 1965

-lymphangiography: improved technic of lymphatic cannulation (ab), Rodney M. Patterson and C. Thorpe Ray, 85: 995, 1965

1995, 1995

Hymphangiography in advanced gynecologic cancer (ab),
M. M. Hreshchyshyn and F. R. Sheehan, 85: 181, 1965

Hymphangiography in malignant melanoma: comparison of clinicopathological and lymphangiographic findings in 21 cases (ab). Charles J. McPeak and Stam G. Constantinides, 85: 788, 1965

unues, 55: 788, 1963

-lymphogram in tumorous retroperitoneal lymph block (ab),
L. Beltz and P. Thurn, 85: 1142, 1965

-lymphography, cavography, and urography in evaluation
of malignant lymphomas: study of 100 consecutive
lymphoma cases (ab), George Schwarz et al, 85: 1143,
1965

-lymphography in chyluria (ab), J. Bernageau et al, 85: 389,

—lymphography in management of pelvic malignant disease (ab), J. C. Hartgill, 85: 589, 1965
—lymphography in patient with unilateral chyluria (ab), Takashi Kishimoto et al, 85: 389, 1965
—lymphography in patients with pelvic cancer (ab), S. Bert Litwin et al, 85: 589, 1965

—lymphovenography in pelvic cancer (ab), Charles J. Smith et al, 85: 590, 1965

perilymphatic spread of melanoma of foot after lymphog-raphy: case report (ab), M. Desmons and H. Ramioul, 85: 389, 1965

ses of lymphography, lymphadenography, and color lymphadenography in urology (ab), Elwin E. Fraley et al, 85: 995, 1965

LYMPHEDEMA. See Legs; Lymphatic System
LYMPHOGRAPHY. See Lymph Nodes; Lymphatic System;
Thracic Duct; etc.
LYMPHOMA. See Skin, tumors; Tumors, lymphoma
LYMPHOMA. See Skin, tumors; Tumors, lymphoma

MAA (macroaggregated albumin). See Blood, proteins
 McAFEE, J. G., FUEGER, C. F., STERN, H. S., WAGNER, H. N., Jr., and MIGITA, T.: Tc\*\*\*m pertechnetate for brain scanning (ab), 85: 604, 1965
 —STERN, H. S., FUEGER, G. F., BAGGISH, M. S., HOLZ-MAN, G. B., and ZOLLE, I.: \*\*mTc labeled serum albumin for scintillation scanning of the placenta (ab), 85: 805, 1965

605, 1965 McALISTER, WILLIAM H. See FRIEDENBERG, MARVIN

See TEMPLETON, ARCH W.

MacALPIN, REX. See WEIDNER, WILLIAM

McCALL, C. B., HARRIS, T. R., and HATCH, F. B.: Nonfatal pulmonary hemorrhage and glomerulonephritis
(ab), 85: 1136, 1965

McCALL TECHNIC. See Uterus, Cancer, combined therapy

Vol. 85

MENI

-in

--ise

-- pa

hern

tum -ba

-is MEN! MEN! MEN! -p

MEN MEN MEN MEN MEN

MER

rad MES

MET MET MET MEY MIC

MIC MIC MIC MIC

MIC MID MID MIG MIK MIL MIL

MIL

MIL

MIL

McCUE, CAROLYN M., LESTER, RICHARD G., BOSHER, LEWIS H., Jr., and MAUCK, H. PAGE, Jr.: Persistent truncus arteriosus, a clinical correlation with the pathologic anatomy (ab), 35: 385, 1965
McCURDY, PAUL R.: Detection of intestinal absorption of Contagged vitamin B12 by serum counting (ab), 85: 1007, 1965

McDONALD, DONALD F. See WAX, SANDOR H.
MacDONALD, ELEANOR J. See RUTLEDGE, FELIX N.
MacDONALD, J. C. F.: A new method for obtaining multifield and rotational dose distributions in cobalt-60 tele-

field and rotational dose distributions in cobalt-60 tele-therapy, 85: 716, 1965
McDONALD, LAWSON. See RESNEKOV, LEON
MacDONALD, V. See FAYOS, J.
McGINNIS, KENNETH D., and ZYLAK, CARL J.: Echo-encephalography as an adjuvant to the routine examina-tion of the skull: technics and results, 85: 291, 1965
McGRAW, JOHN P. See JING, BAO-SHAN
McGUIRE, LOCKHART B., NOLAN, THOMAS B., REEVE, RICHARD, and DAMMANN, J. FRANCIS, Jr.: Cor triatriatum as a problem of adult heart disease (ab), 85: 988, 1965 1965

triatriatum as a problem of adult heart disease (ab), 85:
McKAY, D. E. See CAMPBELL, JOHN E.
McKHANN, C. F. See NEBESAR, R. A.
McKNIGHT, WILLIAM B. See MINTON, JOHN PETER
MACLAURIN, CAMPBELL: Functional ileus of the newborn
(ab), 85: 996, 1965
MacLEOD, K. W. See VANDENBERG, RUSSELL
McNULTY, M. R. See RIDDELL, A. G.
McPEAK, CHARLES J., and CONSTANTINIDES, STAM G.:
Lymphangiography in malignant melanoma: a comparison of clinicopathological and lymphangiographic findings in 21 cases (ab), 85: 788, 1965
MACPHERSON, R. I., and DUNBAR, J. S.: Radiology of mastoid disease in infants and children (ab), 85: 1135, 1965
McSWEENEY, E. DOUGLAS, Jr. See FLETCHER, WILLIAM
MADONICK, M. J., GILBERT, S., and STERN, W. Z.: Partial agenesis of septum pellucidum with cave of septum pellucidum: report of a case with review of literature (ab),
85: 380, 1965

85: 380, 1965
MAGID, NORMAN. See STEIN, GEORGE N.
MAGNESIUM

MAGNESIUM
radioactive. See Radiomagnesium
MAGUIRE, G. H., BEIQUE, R. A., and ROTENBERG, A. D.:
Selective filtration: the practical approach to highkilovoltage radiography, 85: 343, 1965
MAICHLE, MARIA. See LEE, HUN
MAKLANSKY, DANIEL. See MARSHAK, RICHARD H.
MALABSORPTION SYNDROME
—detection of intestinal absorption of Co<sup>32</sup> tagged vitamin
B12 by serum counting (ab), Paul R. McCurdy, 85: 1007,
1965
—intestinal lymphanaisation.

1965

-intestinal lymphangiectasia: mechanism of enteric loss of plasma-protein, fat (ab), S. P. Mistilis et al, 85: 789, 1965

-radiodiagnostic problems in malabsorption (ab), D. E. Paterson et al, 85: 1144, 1965

-x-ray picture of small intestine and impaired absorption (ab), F. Pirk and M. Vulterinová, 85: 184, 1965

MALDONADO, JORGE E., SHEPS, SHELDON G., BERNATZ, PHILIP E., DeWEERD, JAMES H., and HARRISON, EDGAR G., Jr.: Renal arteriovenous fistula: reversible cause of hypertension and heart failure (ab), 85: 191, 1965

MANDIBLE tumors

tumors
—Gardner's syndrome (ab), C. J. B. Muller, 85: 400, 1965
MANOUGIAN, EDWARD. See LAWRENCE, JOHN H.
MANTINI, EMIL L. See MARSHALL, ROBERT J.
MANUBRIUM. See Sternum
MARANTA, E., and SCHNAUDER, A.: Angiography and renal trauma (ab), 85: 192, 1965
MARCH FRACTURES. See Tibia
MARCUS, R., and WATT, J.: The radiological appearances of diverticula in the anti-mesenteric intertaenia area of the pelvic colon (ab), 85: 790, 1965
MARFAN SYNDROME
—cine-aortographic evaluation of aortic insufficiency: un-

MARPAN SYNDROME

- cine-aortographic evaluation of aortic insufficiency: unsuspected idiopathic aneurysmal dilatation of aortic root as possible indication of Marfan syndrome (ab), John S. B. S. 586, 1985 and S. S. S86, 1985 and S. S. S86, 1985 and S. S. S86, 1985 and Marfan's syndrome (ab), Erik Boijsen and Per-Olof Weiland, 85: 786, 1985 MARRYAT, JOHN. See BULL, JAMES W. D. MARSHAK, RICHARD H., MAKLANSKY, DANIEL, and CALEM, SHELDON H.: Segmental infarction of the colon (ab), 85: 790, 1985

See JANOWITZ, HENRY D.

MARSHALL, ROBERT J., and MANTINI, EMIL L.: Dynamics of the collateral circulation in patients with sub-

namics of the collateral circulation in patients with subclavian steal (ab), 85: 993, 1965

MARSHALL, SUMNER: A test of renal function: excretion
of contrast medium as measured by urinary specific
gravity (ab), 85: 598, 1965

MARSHALL, WILLIAM H. See NEYAZAKI, TOSHIHIKO
MARTIN, CHARLES L., and MARTIN, JAMES A.: Treatment of epithelioma of the lateral oropharynx with low
intensity radium needle implants (ab), 85: 798, 1965

MARTIN, JAMES A. See MARTIN, CHARLES L.
MARTIN, LEONARDO S. J., WOODRUFF, MARVIN W.,
WEBSTER, JOHN H., and PICKREN, JOHN W.:
Testicular seminoma: a review of 179 patients treated
over a 50-year period (ab), 85: 1005, 1965

MARTIN, NEIL D. See LEWIS, BENJAMIN M.
MASQUIN, A. See BUFFARD, P.
MASS SURVEYS. See Breast, roentgenography; Heart, ab-

MASSUMI, RASHID A.: Factitious aortic regurgitation; report of a case (ab), 85; 586, 1965

—and DONOHOE, ROBERT F.: Congenital absence versus acquired attenuation of one pulmonary artery (ab), 85;

1141, 1965

radiology o

-radiology of mastoid disease in infants and children R. I. Macpherson and J. S. Dunbar, 85: 1135, 1965 MATHEMATICS

stereokineradiography. Part III: Mathematical concepts, and models (ab), Majic Potsaid and James Misho, 85:

MATTEO, RICHARD S. See ATKINS, HAROLD L.
MATTHEWS, FREDERICK A. See NOWELL, PETER C.
MAUCK, H. PAGE, Jr. See McCUE, CAROLYN M.
MAURER, H.-J., SCHREBER, H. W., and KOCH, W.;
Splenoportography and surgery in portal hypertension
(ab), 55: 587, 1965

(ab), 85: 587, 1965 e VAHLENSIECK, W.

MAXILLA. See Jaws MAXILLARY SINUS

MAXILLARY SINUS
—mucocoeles of maxillary and sphenoid sinuses, David L.
Bloom, 85: 1103, 1965

MAY, ROMULUS L., MEESE, ERNEST H., and TIMMES,
J. J.: Congenital lobar emphysema: case report of
bilateral involvement (ab), 85: 381, 1965

MAYNEORD, W. V.
—Professor W. V. Mayneord honored, 85: 571, 1965

MEDALS

—David Anderson-Berry Medal (1966) to be awarded for recent work on effects of x rays and other forms of radiation on living tissue, 85: 1131, 1965

MECHEL'S DIVERTICULUM. See Intestines, diverticula MEDIASTINUM

cancer —guided catheterization of bronchial arteries. Part II;
Pulmonary and mediastinal neoplasms, Manuel Viamonte,
Jr., Raymond E. Parks, and William M. Smoak, III, 85:
214, 1965

calcium in fluid of mediastinal bronchogenic cyst: new roentgenographic finding, Steven H. Cornell, 85: 825, 1965

idiopathic fibrosis of mediastinum as cause of superior vena caval syndrome, Kjell F. Hansen, 85: 433, 1965

roentgenography neumomediastinography and the thymus (ab), W. S. C. Hare, 85: 176, 1965

-retroperitoneal and mediastinal chemodectoma: case and review of literature (ab), Seymour Haber, 85:383, 1965 -superior mediastinal obstruction treated with demecolcine followed by radiotherapy (ab), Maurice Sutton, 85: 1151,

1965 -superior mediastinal syndrome in children with cancer (ab), Giulio J. D'Angio et al, **85**: 1151, 1965

MEDICINE

MEDICINE
—government, medicine and the common weal (ab), Barnes
Woodhall, 85: 171, 1965
nuclear. See Radiobiology
MEDINA, JOSE T., SEAMAN, WM. B., GUZMAN-ACOSTA,
CARLOS, and DIAZ-BONNET, RAFAEL B.: The
roentgen appearance of schistosomiasis mansoni involving
the colon, 85: 682, 1965
MEDULLOBLASTOMA. See Cerebellum, tumors; Meninges,

the colon. \$5: 682, 1965

MEDULLOBLASTOMA. See Cerebellum, tumors; Meninges, tumors; Tumors, medulloblastoma

MEEK, DAVID C., BROWN, DONALD W., SHMOCK, CARLTON L., and BLOUNT, S. GILBERT, Jr.: Demonstration of ventricular aneurysms by radioisotope

onstration of ventricular aneurysms by radiosocope scanning, 85: 856, 1965.

MEESE, ERNEST H. See MAY, ROMULUS L.

MEGACOLON. See Colon, dilatation

MEGAVOLTAGE. See Electrons; Roentgen Rays; Roentgen
Therapy; and under names of organs and regions, as MEGLUMINE IOTHALAMATE. See Iodine and Iodine Com-

MEHRIZI, A., DEKKER, A., and OTTESEN, O. E.: Angiocardiographic feature of total anomalous venous return
into coronary sinus simulating tricuspid atresia or stenosis
(ab.) 85: 586, 1965

MELANOMA. See Tumors, melanoma

MELHEM, RAFIC E., HAJJAR, JEAN-JACQUE, and BALASSANIAN, NERON: Histiocytosis X: A report of 15
cases in the paediatric age group (ab), 85: 599, 1965

MELICK, WILLIAM. See BRODEUR, ARMAND E.
MELLINGER, RAYMOND C. See MILLER, J. MARTIN
MELNICK, GILBERT S. See GILBERT, GORDON J.
MELTZER, HAROLD D. See LOGAN, WILLIAM D., Jr.
MENINGES

MENINGES

See also Arachnoid; Meningoencephalitis hematoma. See Meninges, hemorrhage

hemorrhage
—brain scans in non-neoplastic intracranial lesions: scanning
with chlormerodrin Hg<sup>30</sup> and chlormerodrin Hg<sup>107</sup> (ab),
Marvin C. Overton, III, et al, 85: 1009, 1965

MENINGES, hemorrhage—cont.
—encephalography with urea (ab), G. Ruggiero et al, 85: 1135,

interhemispheric subdural or falx hematoma (ab), Paul B. Wollschlaeger and Gertraud Wollschlaeger, 85: 577, 1965-isotope encephalography: experience with 100 cases (ab), James W. D. Bull and John Marryat, 85: 1159, 1965

partial agenesis of septum pellucidum with cave of septum pellucidum: report of case with review of literature (ab), M. J. Madonick et al, 85: 380, 1965

hernia
—intradural herniation of lumbar intervertebral disks (ab),
Roger A. Slater et al, 85: 1000, 1965

ycosus case of meningeal torulosis: terminal phase of Hodgkin's disease (ab), J. Bonnard et al, 85: 380, 1965

—backward luxation of atlas: report of case (ab), A. Verjaal and N. C. Harder, 85: 1136, 1965
 —composite filter technic and special patient jig for treatment of whole brain and spinal cord (ab), D. O. Bottrill et al, 85: 1004, 1965

evaluation of angiography in diagnosis of suprasellar tumors (ab), Emanuel H. Feiring and Jerome H. Shapiro, 85: 173, 1965

173, 1905

-isotope encephalography: experience with 100 cases (ab),
James W. D. Bull and John Marryat, 85: 1159, 1965

MENINGIOMA. See Meninges, tumors
MENINGITIS. See Meningencephalitis
MENINGOENCEPHALITIS

feelings in considered managements.

MENINGOENCEPHALITIS
—pneumoencephalographic findings in coccidioidal meningoencephalitis (ab), Christos A. Papatheodorou and Paul
Teng, 85: 577, 1965

MENINGOSARCOMA. See Sarcoma
MENISCI. See Semilunar Cartilages
MENTAL DEFICIENCY. See Feeblemindedness
MENTAL DISEASE. See Psychosis
MERCADO, HERIBERTO G. See CASTELLANOS, AGUSTIN

TIN

MERCADO, RAUL, Jr. See SPRATT, JOHN S., Jr. MERCURY

radioactive. See Radiomercury

MERCURY
radioactive. See Radiomercury
radioactive. See Radiomercury
MESENCHYMOMA. See Tumors, mesenchymoma
MESKIN, LAWRENCE H., and WOOLFREY, BERTRAM F.;
Radiographic localization of labeled carcinogen: carbon
14 labeled dimethyl-benzantracene in the hamster cheek
pouch (ab), 85: 602, 1965
MESOTHELIOMA. See Tumors, mesothelioma
METABOLISM. See Blood, phosphatase; Radiations, Injurious
Effects; Radiotiology; Sodium; Thyroid; etc.
METACARPOPHALANGEAL JOINT. See Fingers and Toes
METHLIN, G. See CHEVALLIER, A.
METHOTREXATE. See Cancer, chorionic
METHYLGLUCAMINE. See Iodine and Iodine Compounds
METRIZOATE. See Bodine and Iodine Compounds
METRIZOATE. See Bodine and Iodine Compounds
METRIZOATE. See Iodine and Iodine Compoun

MICROSCOPY

See also Radiobiology, cardiovascular studies
—new versatile microdensitometric system for quantitative radiographic analysis, S. David Rockoff, 85: 731, 1965
—x-ray microscopic study of vasa vasorum of normal human ascending aorta (ab), John A. Clarke, 85: 991, 1965
MICROSPHERES. See Radioyttrium
MICROWAVE. See Diathermy
MIDDENDORP, U. See RÜTTIMANN, A.
MIGITA, T. See MCAFEE, J. G.
MIKITY-WILSON SYNDROME. See Infants, Newborn
MILLARD, F. J. C. See REID, LYNNE
MILLEDGE, ROBERT D.: Absence of the inferior vena cava, 85: 860, 1965

85: 860, 1965

MILLER, ELIZA. See SWARM, RICHARD L.
MILLER, HARRY H. See PAUL, ROBERT E., Jr.
MILLER, J. MARTIN, HAMBURGER, JOEL I., and MELLINGER, RAYMOND C.: The thyroid scintigram. II.
The cold nodule. 85: 702, 1965

MILLER, RAYMOND C.: The thyroid scintigram. II.

MILLER, JOHN M., and SPROULE, BRIAN J.: Pulmonary
function in ankylosing spondylitis (ab), 85: 177, 1965

MILLER, ROSCOE E.: Teaching and learning radiology, 85:
1058, 1965

MILLION, RODNEY R. See FLETCHER, GILBERT H. MILWIDSKY, H. See RAKOWER, J. MINES AND MINERS

-statistical considerations on bronchogenic carcinoma of iron miner of Lorraine Valley (ab), J. Roussel et al, 85: 383,

MINTON, JOHN PETER, and KETCHAM, ALFRED S.: The effect of ruby laser radiation on the Cloudman S-91 melanoma in the CDBA/2F1 hybrid mouse (ab), 85: 608, 1965

-KETCHAM, ALFRED S., DEARMAN, JAMES R., and McKNIGHT, WILLIAM B.: Effect of neodymium laser radiation on two experimental malignant tumor systems (ab), 85: 1161, 1965

and ZELEN, MARVIN: Method for predicting malignant tumor destruction by laser radiation (ab), 85: 1010,

tumor destruction by laser radiation (ab), 85: 1010, 19465.
MISHKIN, MARK M. See SCATLIFF, JAMES H. MISSAL, MORRIS E., ROBINSON, JAMES A., and TATUM, RONALD W.: Inferior vena cava obstruction: clinical manifestations, diagnostic methods, and related problems (ab), 85: 994, 1965.
MISTILIS, S. P., SKYRING, A. P., and STEPHEN, D. D.: Intestinal lymphangiectasia: mechanism of enteric loss of plasma-protein and fat (ab), 85: 789, 1965.
MITRAL VALVE.

calcification
—calcifications of heart (ab), R. Brian Holmes, 85: 583, 1965

diseases
—mitral valve disease with ventricular septal defect (ab),
Arthur Hollman and M. Hamed, 85: 1141, 1965

insufficiency
—endocardial fibroelastosis: clinical and anatomic study of 47 patients with emphasis on its relationship to mitral in-sufficiency (ab), James H. Moller et al, 85: 384, 1965 stenosis. See Mitral Valve, stricture

dextrorotation of heart in rheumatic mitral stenosis: report

dextrorotation of heart in rheumatic mitral stenosis: report of case complicated by obesity (ab), Nathan Poker and Israel Steinberg, 85: 582, 1965.

diagnostic value of ultrasonic cardiography (ab), S. Effert et al, 85: 582, 1965.

MITUS, ANNA. See D'ANGIO, GIULIO J.

MIZRAHI, ABRAHAM. See GROSSMAN, HERMAN MOLANDER, DAVID W., and PACK, GEORGE T.: Management and survival of 883 patients with malignant lymphoma (ab), 85: 801, 1965.

MOLE. See Uterus, hydatidiform mole MOLER, JAMES H., LUCAS, RUSSELL V., Jr., ADAMS, PAUL, Jr., ANDERSON, RAY C., JORGENS, JOSEPH, and EDWARDS, JESSE E.: Endocardial fibroelastosis: a clinical and anatomic study of 47 patients with emphasis on its relationship to mitral insufficiency (ab), 85: 384, 1965.

MONGOLISM

multiple manubrial ossification centers in mongolism (ab), John W. Horns and Bernard J. O'Loughlin, 85: 1000,

MONK, IAN. See VANDENBERG, RUSSELL MONSON, E. M. See du BOULAY, G.

MONSTERS congenital variations in cephalobrachial vessels in anen-cephaly (ab), Bernard S. Epstein and Paul Kolker, 85: 983, 1965

cephaly (ab), Bernard S. Epstein and Paul Kolker, 85: 983, 1965

—deglutition by normal and anencephalic fetuses (ab), Jack A. Pritchard, 85: 1157, 1965

—radiation and congenital malformations (ab), A. B. Brill and E. H. Forgotson, 85: 1010, 1965

MONTAGUE, ELEANOR D. See FLETCHER, GILBERT H. MORGE, JOHN. See DOCKRAY, KARL T. MORGAN, J. E. See GROLLMAN, J. H., Jr. MORGOUIO'S DISEASE. See Dyschondroplasia MORRIS, DALE D. See SMITH, JAMES C. MORROW, ANDREW G. See BRAUNWALD, EUGENE MORSE, THOMAS S. See ALLEN, 1AMES E. MOSSELEY, ROBERT D. See HARPER, PAUL V. MOSSLEY, ROBERT D., Jr. —Robert D. Moseley, Jr., M.D., Director, Picker Foundation, 85: 972, 1965

MOSKOWITZ, MYRON, ZIMMERMAN, HAROLD, and FELSON, BENJAMIN: The meandering mesenteric artery of the colon (ab), 85: 392, 1965

MOUNTER-KUHN SYNDROME. See Trachea, dilatation MOUTH

cancer

ancer
-anesthetists' exposure to radiation during radium implantation procedures (ab), Howard A. Trachtenberg and Eliot
M. Slater, 85: 1161, 1965
-computer estimation of dosage of interstitial and intracavitary implants, W. E. Powers, C. R. Bogardus, Jr.,
William White and Tom Gallagher, 85: 135, 1965
-indications for high-speed electron therapy (ab), P. M. Van
Vaerenbergh and K. Schelstraete, 85: 403, 1965

leukoplakia —contribution to radiotherapy of oral leukoplakia (ab), Rudolf v. Salis-Samaden, 85: 200, 1965 MUCOCELE. See Sphenoid Sinus MUCOPOLYSACCHARIDOSIS

COPOLYSACCHARIDOSIS

-Morquio's disease: radiologic and morphologic study (ab),
Eric A. Schenk and James Haggerty, 85: 593, 1965

(COVISCIDOSIS. See Pancreas, diseases)

IDD, J. GERARD, WALTER, KENNETH E., and WILLMAN, VALLEE L.: Pulmonary artery stenosis: diagnostic and therapeutic considerations (ab), 85: 992, MUDD, J. G. MAN,

moster and the apetite considerations (ab), 85: 992, MURLLER, C. J. B.: Gardner's syndrome (ab), 85: 400, 1965 MUNK, J., GRIFFEL, B., and KOGAN, J.: Primary mesenchymoma of the pulmonary artery: radiological features (ab), 85: 993, 1965 MURPHY, GERALD P. See JOHNSTON, GERALD S. MURRAY, M. JOHN, DELANEY, JOHN P., and STEIN, NELL: Use of isolated subcutaneous intestinal loops for direct study of intestinal absorption of radioisotopes in dogs (ab), 85: 196, 1965

halia mandibulo-oculo-facialis (Hallermann-Streiff frome) (ab), D. Hoefnagel and K. Benirschke, 85: 1965 abnormalities -dyscephalia syndrome

contractions -ntractions of x-irradiated dogs to induced muscular con-traction in vivo (ab), Ching-Tong Liu and R. R. Overman, 85: 1162, 1965

diseases

--soft-tissue radiography of extremities in neuromuscular disease with histological correlations (ab), Giovanni Di Chiro and Karin B. Nelson, 85: 794, 1965 masseter
—benign hypertrophy of masseters; report of radiological features in 2 cases (ab), P. M. Dee, 85: 579, 1965

is content in ovarial and other tissues at different times after oral administration (ab), Titus C. Evans et al, 85:

MUSEUMS. See Radiology and Radiologists, history
MUTA, NOBUYOSHI, and NAGAI, JUN: Treatment of
malignant tumors of the breast (ab), 85: 800, 1965
MYELITIS

verse myelitis following selective bronchial arteriog-hy, Howard H. Feigelson and Herbert A. Ravin, 85:

MYELOGRAPHY. See Spinal Canal Roentgenography
MYELOMA. See Bone Marrow, tumors; Tumors, myeloma
MYELOPATHY. See Spinal Cord, diseases
MYELORADIOMETRY. See Spinal Canal Roentgenography

See Heart MYOCARDIUM.

See Tumors, myoma

NAGAI, JUN. See MUTA, NOBUYOSHI
NAGLE, R. G. See BREWER, J. I.
NAHUM, H. See SAUVEGRAIN, J.
NAIMARK, ALLAN. See CAPLAN, LAWRENCE H.
NAIR, V., and ROTH, L. J.: Effect of x-irradiation and certain
other treatments on blood brain barrier permeability (ab),

85: 202, 1800 SUGANO, H., and ROTH, L. J.: Enhancement of anti-convulsant action of acetazolamide after head x-irradiation and its relation to blood brain barrier changes (ab), 85:

-some sagittal measurements of neck in normal adults (ab), C. L. Oon, 85: 580, 1965

cancer
computer estimation of dosage of interstitial and intracavitary implants, W. E. Powers, C. R. Bogardus, Jr., William White and Tom Gallagher, 85: 135, 1965.
effect of unplanned interruption of radiation therapy: retrospective survey (ab), Lars R. Holsti and Pentti J. Taskinen, 85: 195, 1965.
malignant tumors of nasopharynx (ab), Gilbert H. Fletcher and Rodney R. Million, 85: 799, 1965.
malignant tumors of nasopharynx (ab), Marvin F. Loring, 85: 798, 1965.
28: 798, 1965.

tumors

tumors
 malignant tumors of nasopharynx (ab), Gilbert H. Fletcher and Rodney R. Million, 85: 799, 1965
 malignant tumors of nasopharynx (ab), Marvin F. Loring, 85: 798, 1965
 REBESAR, R. A., POLLARD, J. J., EDMUNDS, L. H., Jr., and McKHANN, C. F.: Indications for selective celiac and superior mesenteric angiography: experience with 128 cases (ab), 85: 387, 1965

NECK

—some sagittal measurements of neck in normal adults (ab), C. L. Oon, 85: 580, 1965 blood supply

-intrathoracic hyperpressure in neuroradiology: (1) cerebral pan-angiography and (2) arteriography of thoracocervical region (ab), Jose Zaclis et al, 85: 576, 1965

nder-dose-time relationships in cancer radiotherapy: clinical radiobiology study of extremes of dose and time (ab), J. Robert Andrews, 85: 803, 1965

rhabdomyosarcomas of head and neck in children: place of radiotherapy (ab), R. Perez-Tamayo and S. Kramer, 85: 193, 1965

NECROSIS. See Encephalitis NEEDLES. See Angiography, apparatus and equipment;

-eosinophilic granuloma of lung: report of 3 cases in Negro patients (ab), Lawrence A. Dummore, Jr., and Sami Ayoub El-Khoury, 85: 382, 1965
-problems of roentgen diagnosis of ameloblastoma in West Africa (ab). H. Braband, 85: 1135, 1965
NELSON, JAMES H. See SCHWARZ, GEORGE NELSON, KARIN B. See Di CHIRO, GIOVANNI NEODYMIUM.

-effect of neodymium laser radiation on 2 experimental malignant tumor systems (ab), John Peter Minton et al, 85: 1161, 1965

NEOHYDRIN. See Radiomercury

—nonfatal pulmonary hemorrhage and glomerulonephritis (ab), C. B. McCall et al, 85: 1136, 1965
NEPHROGRAPHIC EFFECT. See Kidneys, insufficiency NEPHROPHLEBOGRAPHY. See Veins, renal

also Nervous System; Paralysis

acoustic of acoustic neurinoma: results in 4 cases (ab), John A. Goree et al, 85: 172, 1965 oculomotor

e of transverse arachnoidal membrane within inter-peduncular cistern in passage of Pantopaque into cranial cavity, Bernard S. Epstein, 85: 914, 1965

-angiographic analysis of renal vasoconstriction (ab), Michael J. Brody and Harry W. Fischer, 85: 180, 1965

cervical spondylotic myelopathy studied by air myelography (ab), Paul H. Crandall and William N. Hanafee, 85: 783, 1965

vagus
—gastric reservoir construction for severe disability after
subtotal gastrectomy (ab), Walter Lawrence, Jr., et al,
85: 591, 1965 85: 591, 1965 NERVOUS SYSTEM

e also Brain; Nerves; Spinal Cord; etc.

diseases
-soft-tissue radiography of extremities in neuromuscular
disease with histological correlations (ab), Giovanni Di
Chiro and Karin B. Nelson, 85: 794, 1965
effects of irradiation

effects of irradiation
—delayed effects of radiation on human central nervous
system: "early" and "late" delayed reactions (ab),
Peter W. Lampert and Richard L. Davis, 85: 201, 1965
NESCHIS, MARTIN. See BRYK, DAVID
NEUHAUSER, E. B. D. See GOODING, CHARLES A.
NEURINOMA. See Brain, tumors; Nerves, acoustic
NEUROBLASTOMA. See Tumors, neuroblastoma
NEUROFIBROMATOSIS
—calvarial bone defects involving lambdoid suture and neurofibromatosis (ab), N. Joffe, 85: 780, 1965
NEURORADIOLOGY

NEURORADIOLOGY

ee also Brain, blood supply ostgraduate course, Albert Einstein College of Medicine, 85: 1130, 1965

—telecine technic applied to neuroradiology (ab), G. du Boulay and E. M. Monson, 85: 400, 1965 NEUTRONS

omosome abnormalities in liver and marrow of mice radiated with fast neutrons, gamma rays, and x-rays; ffect of dose rate (ab), Peter C. Nowell et al, 85: 810,

—"epithermal" neutron beam isodose charts in phantom head, R. G. Fairchild, 85: 555, 1965
NEUTROPHILS. See Leukocytes

-treatment of hemangiomas with strontium 90 (ab), Wolfgang Schmidt, 85: 199, 1965

Schmidt, 85: 199, 1965

NEWALL, JOSEPH: The management of Hodgkin's disea (ab), 85: 801, 1965

NEWMAN, C. G. H. See ANDERSON, IAN M. NEWTON, MICHAEL, HICKMAN, BERNARD T., and BOLTEN, KARL A.: Radical bysterectomy versus radi The management of Hodgkin's disease

therapy in Stage I cervical cancer: preliminary results (ab), 85: 194, 1965

(ab), 85: 194, 1965
REWTON, THOMAS H. See RUSSELL, WARREN
NEYAZAKI, TOSHIHIKO, KUPIC, EDWARD A., MARSHALL,
WILLIAM H., and ABRAMS, HERBERT L.: Collateral
lymphatico-venous communications after experimental
obstruction of the thoracic duct, 85: 423, 1965
NICHOLS, GWENDOLYN BARRINGTON. See BURKE,
EDWARD NEWELL
SEE SEE SEE SEE HOOD T.

NICKEL, ELDON D. See ISERI, LLOYD T.
NICKERSON, NAOMI F. See POLACHEK, ABRAHAM A.
NIKBERG, N. I., and KRENKEL, V. Kh.: Problems of radiation
hygiene in isotope myeloradiometry (ab), 85: 605, 1965
NILSSON, N. J. See HÄGGENDAL, E.

NILSON, A. J.

NITROGEN
mustard. See also Radiomimetic Drugs
—hepatic outflow occlusion during hepatic artery infusion
with chemotherapeutic agents (ab), Louis M. Rousselot
et al. 85: 787, 1965. Faciliest roentgenological changes

et al. 85: 787, 1965

NØRGAARD, FLEMMING: Earliest roentgenological changes in polyarthritis of the rheumatoid type: rheumatoid arthritis, 85: 325, 1965

NOFAL, MOHAMMED M., and BEIERWALTES, WILLIAM H.: Persistent chromosomal aberrations following radio-iodine therapy (ab), 85: 603, 1965

NOKAY, NAIME. See KURNICK, N. B.

NOLAN, THOMAS B. See MCGUIRE, LOCKHART B.

NOMENCLATURE

NOMENCLATURE

--standardization of terminology and evaluation of osseous relationships in congenitally abnormal feet (ab), Arch W. Templeton et al, 85: 1001, 1965

NOONAN, CHARLES D.: Roentgen examination of soft tissues of the pelvis (ab), 85: 599, 1965

NOONAN, THOMAS R. See SIKOV, MELVIN R.

NORDE The

Vol. 85

-and NORDI NORI I NORM

NORM NORM

NOVAL

NOYE! NUCLI NUCLI

NUSB NYST

OBES OBIT

Pat Pol Pot OBS OCH ODD ODO OEC OEF

OLD

OLI

00 00

OP

tis

NORDENSTRÖM, BJÖRN: New instruments for catheteriza-tion and angiocardiography, 85: 256, 1965 Therapeutic roentgenology: a preliminary report on the selective application of cytostatics and the transthoracic needle coagulation of bronchial carcinomas (ab), 85: 1152,

1965
—and CARLENS, ERIC: Bronchial biopsy in connection with bronchography (ab), 85: 783, 1965
NORDIB, B. E. C. See ANDERSON, J. B. NORI BUFALINI, G. See De DOMINICIS, R. NORLEN, G. See HÄGGENDAL, E. NORMAN, ALEX, and KAMBOLIS, CATHERINE P.: Tumors of the spine and their relationship to the intervertebral disk: a roentgenographic-anatomic correlation (ab), 85: 596, 1965 196

disk: a roentgenographic-anatomic correlation (ab), 85: 596, 1965
NORMAN, AMOS, SASAKI, MOTOMICHI, OTTOMAN, R. E., and VEOMETT, R. C.: Chromosome aberrations in radiation workers (ab), 85: 201, 1965
NORMAND, I. C. S. See DENT, C. E.
—See SMELLIE, JEAN M.
NORRIS, GRACE. See HOOD, S. L.
NORRIS, WILLIAM P. See DECKER, CLARENCE F.
—See SPECKMAN, THOMAS W.
NORTH, LUCEIL B., and WEENS, H. STEPHEN: The intestinal knot syndrome (ab), 85: 392, 1965
NOVAK, GERTRUDE. See D'CRUZ, IVAN A.
NOWELL, PETER C., CRAIG, DAVID E., MATTHEWS, FREDERICK A., and COLE, LEONARD J.: Chromosome abnormalities in liver and marrow of mice irradiated with fast neutrons, gamma rays, and x-rays: effect of dose rate (ab), 85: 810, 1965
NOYEK, ARNOLD M. See ZIZMOR, JUDAH
NUCLEAR MEDICINE. See Radiobiology
NUCLEINS
—abscopal effects of x-irradiation on mouse bone marrow

CLEINS

-abscopal effects of x-irradiation on mouse bone marrow
(ab), N. B. Kurnick and Naime Nokay, 85: 203, 1965

-comparison of tritiated thymidine, tritiated water, and
cobalt-60 gamma rays in inducing chromosomal aberrations (ab), William C. Dewey et al, 85: 1011, 1965

-granulocytopoiesis. I. Senescence and random loss of

tions (ab), William C. Dewey et al, 85: 1011, 1965
—granulocytopoiesis. I. Senescence and random loss of
neutrophilic granulocytes in human beings (ab), T. M.
Fliedner et al, 85: 200, 1965
NUSBAUM, MOREYE, BAUM, STANLEY, BLAKEMORE,
WILLIAM S., and FINKELSTEIN, ARTHUR K.:
Demonstration of intra-abdominal bleeding by selective
arteriography: visualization of celiac and superior
mesenteric arteries (ab), 85: 997, 1965
NYSTROM, C., HANSEN, H. A., and STENER, I.: Methotrexate therapy in two cases of trophoblastic tumours of
the uterus involving the lungs (ab), 85: 597, 1965

-ESSLY
--dextrorotation of heart in rheumatic mitral stenosis; report
of case complicated by obesity (ab), Nathan Poker and
Israel Steinberg, 85: 582, 1965

OBITUARIES

OBITUARIES

Burcham, Thomas A., Sr., 85: 155, 1965

Burcham, Thomas A., Sr., 85: 156, 1965

Pother, Hollis E., 85: 156, 1965

Pother, Hollis E., 85: 775, 1965

OBSTETRICS. See Fetus

OCHPITAL BONE. See Atlas and Axis

OCHSTALL BONE. See Atlas and JANETOS, GEORGE

P.: Benign tumors of the stomach (ab), 85: 1143, 1965

ODD'S SPHINCTER. See Sphincter Muscles, Oddi's

ODOM, GUY L. See GOREE, JOHN A.

ODONTOID PROCESS. See Atlas and Axis

OECHSLIN, R. J. See SCHNIDER, Th.

OEFF, K. See GRÜNERT, R. D.

OHLSSON, NILS MAGNUS. See PETERSEN, K. OSTER
GAARD

OLD AGE

OLD AGE

rvical spondylotic myelopathy studied by air myelography (ab), Paul H. Crandall and William N. Hanafee, **85**: 783, 1965

-roentgenologic features of esophagus in old age (ab), M. I. Rotenberg, 85: 182, 1965 -some observations on sella in old age and arterial hypertension (ab), I. Kelsey Fry and G. du Boulay, 85: 781,

OLIN, TORD B., and REUTER, STEWART R.: Pharmaco-angiographic method for improving nephrophlebography, 85: 1036, 1965 85: 1036, 1965 e BODFORSS

— See BODFORSS, B.
— See REUTER, STEWART R.
OLIVER, J. A. See CAMPBELL, JOHN E.
OLIVER, R. See HOWELLS, R.
O'LOUGHLIN, BERNARD J. See HORNS, JOHN W.
O'NEILL, JAMES A., Jr., KLATTE, EUGENE C., SCOTT,
H. WILLIAM, Jr., and SHULL, HARRISON J.: Radiologic changes associated with gastric hypothermia, 85:

65, 1965 OON, C. L.: A new method of pineal localization (ab), 85: 577,

OON, C. L.: A new method of pinear localization (ab), 63: 637, 1965

Some sagittal measurements of the neck in normal adults (ab), 85: 580, 1965

OOSTHUIZEN, S. F., THERON, C. P., and SLUIS-CREMER, G. K.: Calcified pleural plaques in asbestosis: an investigation into their significance (ab), 85: 382, 1965

OPPENHEIMER, M. J. See PETERSEN, K. OSTERGAARD

ORAGRAFIN. See Gallbladder, roentgenography; Iodine and

Indine compounds
ORAM, SAMUEL, PATTINSON, NORMAN, and DAVIES,
PAGET: Post-valvular stenosis of the pulmonary artery
and its branches (ab), 35: 386, 1965 ORBIT

rractures

-roentgen manifestations of blow-out fracture of orbit,
Owen L. Brown, J. J. Longacre, George A. DeStefano,
Robert W. Wood, and James B. Kahl, 85: 908, 1965
ORGAN, EDWARD S. See IRA, GORDON H., Jr.
ORGAN OF ZUCKERKANDL. See Abdomen, tumors
OROPHARYNX. See Pharynx
ORTHOPEDICS

-use of radioisotococ. is and the property of 
-use of radioisotopes in orthopedics. Part III. Experimental and clinical studies (ab), Robert D. Ray and Karl Mueller, 85: 1156, 1966.

OSMOLALITY. See Cineroentgenography

OSMOLALITY.

See Blood, chemistry

OSTEITIS

deformant

-localized post-traumatic fibrous osteopathy of tibia (localized post-traumatic pagetoid reshaping of J. A. Lièvre) (ab), R. P. Delahaye et al, 85: 795, 1965

OSTEOARTHROPATHY

-idiopathic osteoarthropathy and cranial defects in children (familial idiopathic osteoarthropathy) (ab), Donald S. Chamberlain et al, 85: 998, 1965

OSTEOCHONDRITIS

-tible var (A-1)

tibia vara (osteochondrosis deformans tibiae): survey of 71 cases (ab), A. Langenskiöld and Erik B. Riska, 85: 188,

OSTEOCHONDROSIS. See Osteochondritis

—post-traumatic osteolysis of outer end of clavicle (ab), OSTEOMA, See Tumors, osteoma OSTEOMAPELTIS

-prognosis of acute hematogenous osteomyelitis and

—prognosis of acute hematogenous osteomyelitis and its complications during early infancy after advent of anti-biotics (ab), Bo Lindblad et al, 85: 792, 1965
OSTEOPOIKILOSIS. See Osteosclerosis
OSTEOPOROSIS. See Spine, diseases
OSTEOPOROSIS. See Spine, diseases

primary hyperparathyroidism with osteosclerosis and calcifi-cation in articular cartilage (ab), R. E. Aitken et al, 85: 394, 1965

studies in osteopetrosis (ab), C. E. Dent et al. 85: 998, 1965

ragilis

does a striated type of osteopoikilosis exist? (ab), H. G. Claus, 85: 393, 1965 —does a striat Claus, 85: OTITIS MEDIA

OTITIS MEDIA

--otitis media: clinical, bacteriological, and roentgenological study (ab), Luciano U. Luczon, 85: 782, 1965

--radiology of mastoid disease in infants and children (ab), R. I. Macpherson and J. S. Dunbar, 85: 1135, 1965

OTTOS, DONALD L., and KURTZMAN, RAYMOND S.:
Esophageal varices in superior vena caval obstruction (ab), 85: 388, 1965

OTTOMAN, RICHARD E. See GROLLMAN, J. H. Jr.
See NORMAN, AMOS

OVARY

See also Canada: Caractal

See also Gonads; G Effects; Radiobiology Gynecology; Radiations, Injurious abnormalities

-lymphangiography and chromosome studies in females with lymphedema and possible ovarian dysgenesis (ab), P. F. Benson et al, 85: 1002, 1965 cancer

collateral lymphatics in patients with gynecologic cancer (ab), M. M. Hreshchyshyn and F. R. Sheehan, **85**: 796, 1965

-radiation hepatitis (ab), John A. Ingold et al, 85: 809, 1965 -supervoltage radiation therapy: use of linear accelerator for treating ovarian adenocarcinoma (ab), Robert H. Sagerman et al, 85: 1004, 1965 effects of irradiation

—beta radiation from radioactive iodine (1<sup>121</sup>)—measurement of 100 human ovaries (ab), D. L. Weijer, **85**: 603, 1965—1<sup>131</sup> content in ovarial and other tissues at different times after oral administration (ab), Titus C. Evans et al, **85**: 603, 1965

sterility due to radioactive phosphorus in mice (ab), E. A. D. Holmberg et al, **85**: 199, 1965

hormones

sterility due to radioactive phosphorus in mice (ab), E. A. D. Holmberg et al, 85: 199, 1965 entgenography. See Pelvis, roentgenography; other sub-

D. Holmberg et al, 85: 199, 1965
roentgenography; See Pelvis, roentgenography; other subheads under Ovary
OVERMAN, R. R. See LIU, CHING-TONG
OVERSTREET, JOHN W. See LAW, SAM W.
OVERTON, MARVIN C., III, HAYNIE, THOMAS P., and
SNODGRASS, SAMUEL R.: Brain scans in nonnecplastic intracranial lesions: scanning with chlormerodrin
Hg 203 and chlormerodrin Hg 197 (ab), 85: 1009, 1965
OXYGEN

—experience with hyperbaric oxygenation in clinical radio-therapy (ab), Harold L. Atkins et al, 85: 1154, 1965

P

PACIFICO, L. See RUGGIERO, G. PACK, GEORGE T. See MOLANDER, DAVID W. PAGET'S DISEASE. See Osteitis, deformans PAH. See Amino Acids PALATE

recent cinefluorographic advances in palatopharyngeal roentgenography (ab), Robert F, Sloan et al, 85: 380,

PALMA, SANTIAGO PRADO. See LUNDQUIST, CHARLES

PALMER, RAY F., and THOMPSON, ROY C.: Strontium interrelationships in the growing rat (ab), 85:

PALOYAN, EDWARD. See HARPER, PAUL V.
PALUBINSKAS, A. J., PERLOFF, DOROTHEE, and WYLIE,
E. J.: Curable hypertension due to renal artery lesions
(ab), 85: 190, 1965

PANCREAS

blood supply. See Pancreas, cancer

centrinsic pressure defects on duodenal loop in mesenteric occlusive disease, Stanley Baum, George N. Stein, and Arthur Baue, 85: 866, 1965.

-pancreatic angiography, with application of subselective angiography of celiac or superior mesenteric artery to diagnosis of carcinoma of pancreas (ab), Robert E. Paul, Jr., et al. 85: 997, 1965.

-percutaneous transhepatic cholangiography (ab), Robert J. Flemma et al. 85: 791, 1965.

ysts. See Pancreas, diseases liseases

diseases

G. H. Leistner and E. Barth, 85: 59, 1965

roentgenologic features of mucoviscidosis (cystic fibrosis of pancreas) (ab), V. Roček et al, 85: 593, 1965

hormone

romage ographic observations in Zollinger-Ellison syndrome (ab), John R. Amberg et al, 85: 182, 1965 inflammation. See Pancreatitis roentgenography. See also Pancreatitis; other subheads under Pancreas.

under Pancreas

-pancreatic visualization: progress of medical science (ab),
Gerald W. Peskin and Charles Johnson, 85: 998, 1965

-peroral cannulation of ampulla of Vater for direct cholangiography and pancreatography: preliminary report of
new method, Keith R. Rabinov and Morris Simon, 85:

PANCREATITIS

on-59 absorption measurements by whole-body counting: studies in alcoholic cirrhosis, hemochromatosis, and pancreatitis (ab), D. J. Deller, 85: 1158, 1965 complications and sequels

seous changes in chronic pancreatitis, Richard D. Gerle, Lewis A. Walker, James L. Achord, and J. Stephen Weens, 85: 330, 1965

secons lesions in acute pancreatitis (ab), J. Warter et al, 85: 793, 1965 PANTOPAQUE. See Cisterns,

OPAQUE. See Cisterns, Subarachnoid; Iodine and Iodine Compounds; Spinal Canal Roentgenography IOANNOU, ANAXAGORAS N., and BRUNSCHWIG, ALEXANDER: Return of function of a kidney not visualized on intravenous pyelogram for 1 ½ years (ab), 85: 1148, 1965 PAPAIOANNOU

-and WATSON, WILLIAM L.: Primary lymphoma of the lung: an appraisal of its natural history and a comparison with other localized lymphomas (ab), 85: 1151, 1965

PAPATHEODOROU, CHRISTOS A., and TENG, PAUL:
Pneumoencephalographic findings in coccidioidal meningoencephalitis (ab), 85: 577, 1965

PARA-AMINOHIPPURIC ACID. See Amino Acids
PARAGANGLIOMA, NONCHROMAFFIN. See Tumors,
chemodectoma
PARALYSIS

spinal oureteric reflux in paraplegia (ab), M. Damanski, 85: -vesio PARAPLEGIA. See Paralysis, spinal

cancer

—tumors of thyroid and parathyroid glands (ab), Robertson Ward et al, 85: 580, 1965 hyperparathyroidism

yperparatnyroidism
-hyperfunction of parathyroids (ab), A. O. Singleton, Jr.,
and Thomas Kirksey, 85: 580, 1965
-primary hyperparathyroidism with osteosclerosis and calcification in articular cartilage (ab), R. E. Aitken et al, 85:

1965

hypoparathyroidism

nypoparathyroidism,
—evolution of skeletal lesions in pseudohypoparathyroidism,
Howard L. Steinbach, Ulf Rudhe, Marianne Jonsson, and
Duane A. Young, 85: 970, 1965

PARIENTY, R. See ANTOINE, B.
PARKER, ROBERT G.: Palliative radiation therapy (ab), 85:
600, 1965

PARKINSONISM

-megacolon and volvulus in Parkinson's disease, Lawrence H. Caplan, Harold G. Jacobson, Berta M. Rubinstein and Marvin Z. Rotman, 85: 73, 1965

PARKS, RAYMOND E. See VIAMONTE, MANUEL, Jr. PAROTID GLAND

cancer
—indications for high-speed electron therapy (ab), P. M.
Van Vaerenbergh and K. Schelstraete, 85: 403, 1965
PARTICLES, HEAVY. See Radiotherapy
PASTORELLE, D. JOSEPH, Jr., and TURK, ARTHUR:
Acute plasma diappearance time of radioactive thyroxine
in patients with cancer (ab), 85: 1158, 1965
PASTRIEMOLI, A.: Sutured ulcers (radiological observations
after surgical closure of perforated gastroduodenal ulcers)
(ab), 85: 183, 1965

atter surgical closure of perforated gastroduodenal ulcers)
(ab), 85: 183, 1965

PATERSON, D. E., DAVID, R., and BAKER, S. J.: Radiodiagnostic problems in malabsorption (ab), 85: 1144, 1965

PATTERSON, CARL V. S.
—(obit), 85: 156, 1965
—University of Pennsylvania, Carl V. S. Patterson Chair,
85: 772, 1965

PATTERSON, LAMES B. C. DAVID.

PATTERSON, JAMES F. See PAUL, ROBERT E., Jr. PATTERSON, RODNEY M., and RAY, C. THORPE: L.

phangiography: an improved technique of lymphatic cannulation (ab), 85: 995, 1965

PATTINSON, NORMAN. See ORAM, SAMUEL
PAUL, ROBERT E., Jr., MILLER, HARRY H., KAHN, PAUL
C., CALLOW, ALLAN D., EDWARDS, TED L., Jr., and
PATTERSON, JAMES F.: Pancreatic angiography, with
application of subselective angiography of the celiac of
superior mesentaric actory to the dispussion of excitoners. KAHN, PAIII.

superior mesenteric artery to the diagnosis of carcinoma of the pancreas (ab), 85: 997, 1965

PAULIN, S. See BROLIN, I.
PAVLOVSKY, A. See HOLMBERG, E. A. D.
PEIRCE, CARLETON B.: Efficacy of radiation therapy in treatment of tumors of brain and brain stem (ab), 85:

PEK, SUMER, and GIKAS, PAUL W.: Pneumonia due to herpes zoster: report of a case and review of the literature (ab), 85: 987, 1965
PELU, G. See De DOMINICIS, R.
PELVIMETRY. See Pelvis, measurement

See also Gynecology; under names of pelvic bones and

—pelvic angiography in diagnosis of malignant trophoblastic disease (ab), J. P. de V. Hendrickse et al, 85: 189, 1965 --pelvic angiography in management of abdominal pregnc Seymour Haber and Frank F. Wilson, 85: 904, 1965 ancer. See also Gynecology

considerations on restoration of lymphatic circulation after pelvic lymphadenectomy (ab), S. Chiappa et al, 85: 1002, 1965

-lymphography in patients with pelvic cancer (ab), S. Bert Litwin et al, 85: 589, 1965

Litwin et al. 85: 589, 1965.

—lymphovenography in pelvic cancer(ab), Charles J. Smith et al. 85: 590, 1965.

lymph nodes. See Lymph Nodes measurements.

measurement

-roentgen examination of soft tissues of pelvis (ab), Charles D. Noonan, 85: 599, 1965

-deformity of bladder secondary to pelvic lymphoma, Walter J. Farrell, 85: 898, 1965
PEPTIC ULCER
—caliber of descending duo

caliber of descending duodenum and upper jejunum in presence of peptic ulcer of stomach or duodenal bulb (ab), Christian V. Cimmino, 85: 183, 1965.
 cosinophilic granuloma of upper GI tract: report of 3 cases (ab), Aaron Schwinger, 85: 789, 1965.
 complications and sequels

spontaneous gastrointestinal biliary fistula complicating duodenal ulcer (ab), Basile G. Kourias and Agamemnon Chouliaras, 85: 392, 1965

diagnosis diagnosis
—computer analysis and diagnosis of gastric ulcers, William
J. Wilson, Arch W. Templeton, Arch H. Turner, Jr., and
Gwilym S. Lodwick, 85: 1064, 1965
etiology and pathogenesis

roentgenographic observations in Zollinger-Ellison syndrome (ab), John R. Amberg et al, 85: 182, 1965

(ab), John R. Amberg et al, 85: 182, 1965
in infants and children
—incidence of peptic ulcer as determined by radiologic
examinations in pediatric age group (ab), Edward B.
Singleton and Max H. Faykus, 85: 591, 1965

perforation
—sutured ulcers (radiological observations after surgical
closure of perforated gastroduodenal ulcers) (ab), A.
Pastriemoli, 85: 183, 1965

surgical therapy —sutured ulcers (radiological observations after surgical closure of perforated gastroduodenal ulcers) (ab), A. Pastriemoli, 85: 183, 1965

therapy
-radiologic changes associated with gastric hypothermia,
James A. O'Neill, Jr., Eugene C. Klatte, H. William Scott,
Jr., and Harrison J. Shull, 85: 65, 1965

PERELMAN, V. M.: Precipitation pneumocystography in the
x-ray diagnosis of tumors of urinary bladder (ab), 85:
796, 1965

PEREZ-PEREZ-PEREZ-PEREZ-PEREZ-PERICA with

Vol. 85

PERICA calcif

PERIT tumo —rel: PERLO PERNO PERNO PERRY

PESKI PETEI

PERSS

PETE:

PETR PHAR can

tun

---

PHE

PHE

PHI PHL PHO

PHY

T.

PEREZ, JOSEPH V. See RUZICKA, FRANCIS F., Jr.
PEREZ-MESA, CARLOS. See SPRATT, JOHN S., Jr.
PEREZ-MODREGO, S. See ESTEBAN, J.
PEREZ-STABLE, E. See BRON, KLAUS M.
PEREZ-TAMAYO, R., and KRAMER, SIMON: Rhabdomyosarcomas of head and neck in children: place of radiotherapy (ab), 85: 193, 1965
PERICARDITIS

ENTREMEDIA PROPERTY OF THE P

with effusion
—blood-pool scanning with technetium-99m human serum
albumin, Frederick J. Bonte and Thomas S. Curry, III, 85: 1120, 1965 PERICARDIUM

—calcifications of heart (ab), R. Brian Holmes, 85: 583, 1965
PERITONEUM
Tumore

Tumore

tumors
—relation between exposure to asbestos and mesothelioma
(ab), Irving J. Selikoff et al, 85; 1137, 1965
PERLOFF, DOROTHEE. See PALUBINSKAS, A. J.
PERNOT, C. See ROUSSEL, J.
PERNOT, M. See ROUSSEL, J.
PERNOT, M. See ROUSSEL, J.
PERNOT, M. See ROUSSEL, J.
PERSON, BENGT, TUNELL, RAGNAR, and EKENGREN,
KRISTINA: Chronic vitamin A intoxication during the
first half year of life: description of 5 cases (ab), 85; 792,
1965

PESKIN, GERALD W., and JOHNSON, CHARLES: Pancreatic visualization (ab), 85: 998, 1965
PETERS, RICHARD M., BENSON, WALTER R., and SCHULTZ, EVERETT H.: Effect of prolonged atelectasis or ischemia upon the lungs of growing dogs (ab), 85: 988, 1965

1965
PETERSORF, ROBERT G. See SHULMAN, JONAS A.
PETERSEN, K. OSTERGAARD, HARRINGTON, G., OHLSSON, NILS MAGNUS, ASCANIO, GUIDO, and OPPENHEIMER, M. J.: Technic of transseptal catheterization
of the left atrium, pulmonary veins, and left ventricle in
the dog, 85: 658, 1965
PETERSON, C. A. See EYRING, EDWARD J.
PETERSON, MARY. See ADAMS, ROBERT M.
PETRANYI, GYÖZÖ, Jr. See ZSEBÖK, ZOLTAN B.
PETTIT, HAROLD S. See SEYMOUR, E. QUITMAN
PHARYINX

See also Nasopharynx

-some sagittal measurements of neck in normal adults (ab), C. L. Oon, 85: 580, 1965

cancer effect of unplanned interruption of radiation therapy: retrospective survey (ab), Lars R. Holsti and Pentti J.

effect of unplanned interruption of radiation therapy: retrospective survey (ab), Lars R. Holsti and Pentti J. Taskinen, 85: 195, 1905
 management of residual or recurrent cancer following radiation therapy for squamous-cell carcinoma of oropharynx (ab), A. J. Ballantyne and Gilbert H. Fletcher, 85: 798, 1965
 treatment of epithelioma of lateral oropharynx with low-intensity radium needle implants (ab), Charles L. Martin and James A. Martin, 85: 798, 1965
 roentgenography. See also other subheads under Pharynx —recent cinefluorographic advances in palatopharyngeal roentgenography (ab), Robert F. Sloan et al, 85: 380, 1965

1965

tumors

use of cinefluorography for radiological examination of larynx and hypopharynx in cases of suspected carcinoma (ab), Jacob I abrikant and Robert J. Dickson, 85: 782, 1965

PHELAN, JOHN T.: Aneurysmal bone cyst (ab), 85: 394, 1965 Fibrous cortical defect and nonosseous fibroma of bone (ab), 85: 186, 1965 PHEOCHROMOCYTOMA. See Adrenals, tumors; Tumors,

PHEOCHROMOCYTOMA. See Adrenals, tumors; Tumors, pheochromocytoma
PHILLIPS, LEON A. See SHULMAN, JONAS A.
PHILLIPS, R. See LAUGHLIN, JOHN S.
PHILLIPS, RALPH. See RABEN, MILTON
PHILLIPS, RICHARD D., and KIMELDORF, DONALD J.:
Acute and long-term effects of x-irradiation on skeletal growth in the rat (ab), 85: 607, 1965
PHILLIPS, STEVEN J., REID J. ALAN, and RUGH, ROBERTS: Electrocardiographic and pathologic changes after cardiac x-irradiation in dogs (ab), 85: 202, 1965
PHILLIPS, THEODORE L. See SHELINE, GLENN E.
PHLEBOGRAPHY. See Angiography; Extremities, blood supply

PHONATION. See Speech; Voice PHOSPHATASE. See Blood, phosphatase PHOSPHORUS, radioactive. See Radiophosphorus

PHOTONS 

See also Electrons; Radiocobalt; Roentgen Rays, physics;

See also Electrons; Radioconar, Rosangas etc.
- cross scanning: simple way to improve resolution (ab),
Walter S. Hill and Jorge Traibel, 85: 1007, 1965
- tumor/air ratio calculators, Walter P. Scott, 85: 962, 1965
- PICK, ERNEST J. See GERSHON-COHEN, J.
PICKER FOUNDATION
- Picker Foundation Fellowships, 85: 159, 1965

-Robert D. Moseley, Jr., M. D., Director, Picker Founda-tion, 85: 972, 1965 PICKRELL, KENNETH. See HARTWELL, SHATTUCK W.,

Jr.

PICKREN, JOHN W. See MARTIN, LEONARDO S. J.

PIERCE, ROBERT H. See VALVASSORI, GALDINO E.

roentgenography
—new method of pineal localization (ab), C. L. Oon, 85: 757,
1965

tumors tumors
—ectopic pinealoma: radiocurable neuroendocrinologic entity,
Philip Rubin and Simon Kramer, 85: 512, 1965
PINEALOMA. See Pineal Body, tumors
PINEDA, ANSELMO. See SLATER, ROGER A.
PINET, C. See DELAHAYE, R. P.

PIRK, F., See DELAHAYE, R. P.
PIRK, F., and VULTERINOVA, M.: X-ray picture of sm
intestine and impaired absorption (ab), 85: 184, 1965
PIRO, ANTHONY J. See LeMAY, MARJORIE
PITMAN, R. G., and FRASER, G. M.: The post-cricoid in
PITULY ARY BODY
PITULY ARY BODY
PROPERTY OF THE PROPERTY OF

also Sella Turcica

cancer
—radiological manifestations of suprasellar metastatic tissue
(ab), James H. Scatliff and James W. D. Bull, 85: 781,
1965

See also Pituitary Body, excision
(b)

1965
effects of irradiation. See also Pituitary Body, excision
—pituitary sarcoma: possible consequence of radiation (ab),
Arnold H. Greenhouse, 85: 201, 1965
—plasma and adrenal gland corticosterone levels after x-ray
exposure in rats (ab), J. M. Abdul Hameed and Thomas
J. Haley, 85: 407, 1965
excision

destruction of hyporphysis with Sci Vio recells (ab), Paul V.

xcision—destruction of hypophysis with Sr<sup>90</sup>-Y<sup>90</sup> needle (ab), Paul V. Harper et al, **85**: 199, 1965—heavy particles and Bragg peak in therapy (ab), John H. Lawrence et al, **85**: 1006, 1965

hypopituitarism

ectopic pinealoma: radiocurable neuroendocrinologic en-tity, Philip Rubin and Simon Kramer, 85: 512, 1965 tumors

-- raniopharyngiomas of children: clinicoanatomic and radio-logic correlations (ab), G. Debrun et al, 85: 781, 1965-evaluation of angiography in diagnosis of suprasellar tumors (ab), Emanuel H. Feiring and Jerome H. Shapiro, 85: 173, 1965

--pituitary sarcoma: possible consequence of radiation (ab), Arnold H. Greenhouse, 85: 201, 1965 PLACENTA

see also Amniotic Fluid

localization

-application of thermography to problem of placental localization: preliminary communication (ab), Raymond J, Young, 85: 189,1965

Young, 85: 189,1965
—pelvic angiography in management of abdominal pregnancy,
Seymour Haber and Frank F. Wilson, 85: 904, 1965
—placental localization: survey of 275 patients (ab), P. W.
Verco, 85: 190, 1965
—Tc<sup>99m,1</sup>abeled serum albumin for scintillation scanning of
placenta (ab), J. G. McAfee et al, 85: 605, 1965
premature separation
—radiological and pathological findings in bilateral renal cortical necrosis; report of case showing renal calcification

necrosis: report of case showing renal calcification H. Krige and A. H. Timme, 85: 397, 1965 tical necrosis:

PLATYBASIA PLATYBASIA

—radiologic critique of basilar impression (ab), Ch. M. Gros and A. Wackenheim, 85: 576, 1965

PLATYSPONDYLY. See Spine, abnormalities

calcification -calcified pleural plaques in asbestosis: investigation into their significance (ab), S. F. Oosthuizen et al. 85: 382, 1965

cysts. See Pleura, echinococcosis echinococcosis

echinococcosis

—hydatid pleural disease (ab), J. Rakower and H. Milwidsky,
85: 178, 1965

effusions. See Effusions; Pleurisy, with effusion

tumors

-tadiation response of diffuse pleural mesothelioma: case report (ab), J. M. Vaeth and T. R. Purcell. 85: 194, 1965

-relation between exposure to asbestos and mesothelioma (ab). Irving J. Selikoff et al, 85: 1137, 1965

PLEURISY

with effusion

management of pleural effusions and chylothorax in lym-phoma, Robert Bruneau and Philip Rubin, 85: 1085, 1965 pulmonary changes in malignant trophoblastic disease (ab),

K. T. Evans et al. 85: 1138, 1965
PNEUMATOSIS CYSTOIDES INTESTINALIS. See Intes-

PNEUMOCONIOSIS

calcified pleural plaques in asbestosis: investigation into their significance (ab), S. P. Oosthuizen et al, 85: 382,

-relation between exposure to asbestos and mesothelioma (ab), Irving J. Schkoff et al, 85: 1137, 1965 -septal lines in pneumoconiosis (ab), David K. Trapnell, 85: 382, 1965

PNEUMOCYSTOGRAPHY. See Bladder, tumors PNEUMOENCEPHALOGRAPHY. See Brain PNEUMOMEDIASTINOGRAPHY. See Mediastinum, roent-

PNEUMOMEDIASTINUM. See Emphysema, mediastinal PNEUMONIA

See also Pneumonitis
guided catheterization of bronchial arteries. Part III:
Nonmalignant pulmonary and mediastinal pathologic
conditions, Manuel Viamonte, Jr., Raymond E. Parks,
and William M. Smoak, III, 85: 221, 1965

duagnosis
—errors and hazards in diagnosis and treatment of bacterial
pneumonias (ab), Jonas A. Shulman et al, 85: 986, 1965
etiology and pathogenesis

eumonia due to herpes zoster: report of case and review of literature (ab), Sumer Pek and Paul W. Gikas, 85: 987,

1965
-varicella pneumonia: possible cause of subsequent pul-monary calcification (ab), E. W. Abrahams et al, 85: 381, 1965

therapy
—errors and hazards in diagnosis and treatment of bacterial,
pneumonias (ab), Jonas A. Shulman et al, 85: 986, 1965
PNEUMONITIS

EUMONITIS
See also Pneumonia
-effects of radiation therapy on pulmonary function in carcinoma of lung, Luther W. Brady, Patricia A. Germon and Leon Cander, 85: 130, 1965
-guided catheterization of bronchial arteries.
Nonmahignant pulmonary and mediastinal pathologic conditions, Manuel Viamonte, Jr., Raymond E. Parks, and William M. Smoak, III, 85: 221, 1965 PNEUMOTHORAX

and William M. Smoak, III, 88: 221, 1969
PNEUMOTHORAX

--respiratory distress syndrome in newborn: radiological aspects (ab), R. E. Kottler, 85: 380, 1965
POCOCK, W. A., COCKSHOTT, W. P., BALL, P. J. A., and STEINER, R. E.: Left ventricular aneurysms of uncertain actiology (ab), 85: 1139, 1965
POE, NORMAN D. See TAPLIN, GEORGE V.
POHLE, ERNST ALBERT (obit), 85: 156, 1965
POKER, NATHAN, FINBY, NATHANIEL, and ARCHIBALD, REGINALD M.: Spondyloepiphysial dysplasia tarda: four cases in childhood and adolescence, and some considerations regarding platyspondyly, 85: 474, 1965
—and STEINBERG, ISRAEL: Dextrorotation of the heart in rheumatic mitral stenosis: report of a case complicated by obesity (ab), 85: 582, 1965

POLACHEK, ABRAHAM A., RUIZ, ARMANDO E., and NICKERSON, NAOMI F.: Cardiac output by external radioisotope counting in patients reverted from atrial fibrillation (ab), 85: 805, 1965

POLANI, P. E. See BENSON, P. F.

fibrillation (ab), 85: 805, 1965

POLANI, P. E. See BENSON, P. F. P.
POLK, HIRAM C., Jr. See FRIEDENBERG, MARVIN J.
POLLARD, J. J. See NEBESAR, R. A.
POLLER, SAM. See BRON, KLAUS M.
POLLYCOVE, MYRON. See VAN DYKE, DONALD
POLYCUTHEMIA. See Arthritis, Rheumatoid

POLLYCOVE, MY POLYARTHRITIS POLYCYTHEMIA

plified combined Fe<sup>52</sup>.Cr<sup>51</sup> method for erythrokinetic vestigations (ab), Th. Schnider et al, **85**: 197, 1965 FHYLENE GLYCOL. See Intestines, physiology . See Tumors, polypi VEIN POLYETHYLENE GLYCOL.

PORTAL VEIN

RTAL VEIN
See also other subheads under Portal Vein
-value of selective arteriography in demonstrating portal and
splenic vein patency following nonvisualization by splenoportography. Klaus M. Bron, Francis C. Jackson, Jordan
Haller, E. Perez-Stable, Howard B. Eisen, and Sam
Poller, 85: 448, 1965

blood pressure in

blood pressure in

 arteriovenography of portal system (ab), Louis Kreel and Roger Williams, 85: 588, 1965
 intravenous radioportography: screening procedure for patients with portal hypertension (ab), R. D. Grünert et al. 85: 1009, 1965

-portal venography and pressure measurement at peritone-oscopy (ab), S. Yamamoto and T. B. Reynolds, 85: 588, 1965

-pre- and postoperative appearances of splanchnic veins in children with portal hypertension (ab), K. Ekengren et al, 85: 1142, 1965

—splenoportography and surgery in portal hypertension (ab), H.-J. Maurer et al, 85: 587, 1965 —technic of percutaneous splenoportography directed to the hilus (ab), G. Esser, 85: 387, 1965 emboli. See Embolism, portal

portal circulation

portal circulation
—detection of portal systemic shunts by hepatopulmonary
scanning using I<sup>131</sup> MAA: study and application of
macroaggregated albumin (MAA) labelled with I<sup>131</sup>
(III) (ab), Hideo Ueda et al, 85: 1159, 1965
roentgenography. See also other subheads under Portal Vein
—technic of percutaneous splenoportography directed to the
hilus (ab), G. Esser, 85: 387, 1965
PORTER, ROBERT W. See SLATER, ROGER A.

POSITION
—inclined lateral decubitus position for cholecystography
(ab), J. R. Amberg et al, 85: 592, 1965

POTSAID, MAJIC: Stereokineradiography. Part I: Perception of motion and depth (ab), 85: 401, 1965

Stereokineradiography. Part II: Past attempts, current designs and proposed solutions (ab). 85: 401, 1965
Stereokineradiography. Part III: Mathematical concepts and models (ab), 85: 401, 1965
POTTER, HOLLIS E. (obit.) 85: 775, 1965
POTTS, D. GORDON, and SVARE, GERHART T.: Calcification in intracranial metastases (ab), 85: 577, 1965
POWERS, W. E., BOGARDUS, C. R., Jr., WHITE, WILLIAM, and GALLAGHER, TOM: Computer estimation of dosage of interstitial and intracavitary implants, 85: 135, 1965

See EDELMAN, ALAN H.

POZNANSKI, THOMAS W., and FRANKEL, SAM: Roent.

gengraphic development of radiostrontium (Sr\*0)-induced osteogenic sarcoma in the rat (ab), 85: 1160,

PRASEODYMIUM, radioactive. See Radiopraseodymium
PRATT, PHILIP C. See SUTINEN, SEPPO
PREGNANCY

EGNANCY
See also Fetus
--sterility due to radioactive phosphorus in mice (ab), E. A. D
Holmberg et al, 85: 199, 1965
--ultrasound diagnostic technics in obstetrics and gynecology
(ab), E. Stewart Taylor et al, 85: 395, 1965

(ab), E. Stewart Taylor et al, 85: 395, 1965
complications
—etiology of hydronephrosis of pregnancy (ab), Benedict R.
Harrow et al, 85: 397, 1965
—management of Hodgkin's disease coexistent with pregnancy, Melvin H. Becker and George A. Hyman, 85: 725, 1965

-syndrome of pulmonary stenosis complicating maternal rubella (ab), A. W. Venables, 85: 993, 1965

diagnosis
—pelvic angiography in diagnosis of malignant trophoblastic
disease (ab), J. P. de V. Hendrickse et al, 85: 189, 1965

pelvic angiography in management of abdominal preg-nancy, Seymour Haber and Frank F. Wilson, 85: 904, 1965

effects of irradiation

-radiation and congenital malformations (ab), A. B. Brill and E. H. Forgotson, 85: 1010, 1965 roentgenography in. See Pelvis, measurement; Placenta; other subheads under Pregnancy

rubella in

seous changes in rubella embryopathy (congenital rubella syndrome), Jack B. Rabinowitz, Bernard S. Wolf, Elliot I. Greenberg, and Aaron G. Rausen, 85: 494, 1965 rudrome of pulmonary stenosis complicating maternal rubella (ab), A. W. Venables, 85: 993, 1965 syndrome

rubella (ab), A. W. Venables, 85: 993, 1965

PRESSUE
See also Angiography, technic: Portal Vein
—extrinsic pressure defects on duodenal loop in mesenteric occlusive disease, Stanley Baum, George N. Stein, and Arthur Baue, 85: 866, 1965
—intestinal motility in man. I. Study combining use of intraluminal pressure recording and cineradiography (ab), Donald J. Deller and Anders G. Wangel, 85: 789, 1965

1965

PRÉVÔT, R.: Roentgen diagnosis of ileocolitis (Brooke-Cooke) (ab), 85: 591, 1965

PRIAMIDE (5579 M. D.). See Intestines, roentgenography PRIBNOW, J. F. See STEWART, R. H.

PRIBRAM, H. F. W.: Complications of angiography in cerebrovascular disease, 85: 33, 1965

—and COUVES, C. M.: Retinal embolism as a complication of angiography: the possible role of platelet and cholesterol emboli (ab), 85: 985, 1965

PRITCHARD, JACK A.: Degluttion by normal and anencephalic fetuses (ab), 85: 1157, 1965

PROGESTERONE. See Ovary, hormones; Radiobiology

assessment of value of radiotherapy in management of carcinoma of prostate (ab), S. N. Budhraja and J. C. Anderson, 85: 602, 1965
cobalt-60 telecurietherapy in definitive treatment of carcinoma of prostate: preliminary report (ab), Frederick W. George et al, 85: 803, 1967
dinear accelerator supervoltage radiotherapy. VII. Carcinoma of prostate, Malcolm A. Bagshaw, Henry S. Kaplan and Robert H. Sagerman, 85: 121, 1965
prognostication of carcinoma of prostate metastatic to skeleton by radiological studies (ab), Horst K. A. Schirmer and George J. Richards, Jr., 85: 598, 1965
vasoseminal vesiculography as diagnostic aid in prostatic and seminal vesicule disease (ab), John P. Elliott, Jr., et al, 85: 399, 1965

PROTEINOSIS

pulmonary alveolar proteinosis: report of 6 cases, review of literature, and formulation of new theory (ab), Roger K. Larson and Richard Gordinier, 85: 987, 1965 PROTEINS. See Blood, proteins PSEUDOGOUT. See Gout

frequency of extracranial cerebrovascular disease in patients with chronic psychosis (ab), Lester R. Bryant et al, 85:

PULMONARY VALVE

-congenital absence of pulmonary valve (ab), Ivan A. D'Cruz et al, 85: 584, 1965

PULMO

Vol. 85

stenos -ang

-dila -pos —pul

PUNCE PURCE PYELO -an -eff

-hig -in -- ly -te

PYEL PYLO

hyp

PYRE

de R

RAB

pi

ent

pts

PULMONARY VALVE—cont. —congenitally unguarded tricuspid orifice with coexistent pulmonary atresia (ab), Vladimir I. Kanjuh et al, 85: 585, 1965

osis. See Pulmonary Valve, stricture

stricture

angiocardiographic findings in idiopathic myocardial hypertrophy with right and left ventricular outflow tract obstruction (ab), Charles B. Lundquist et al, 85: 990, 1965

diagnosis of corrected transposition of great vessels (ab), Geoffrey H. Watson, 85: 385, 1965

diatation of pulmonary trunk in stenosis of pulmonary valve and of pulmonary arteries in children (ab), Ivan A. D'Cruz et al, 85: 386, 1965

postvalvular stenosis of pulmonary artery and its branches (ab), Samuel Oram et al, 85: 386, 1965

pulmonary artery stenosis: diagnostic and therapeutic considerations (ab), J. Gerard Mudd et al, 85: 992, 1965

—syndrome of pulmonary stenosis complicating maternal rubella (ab), A. W. Venables, 85: 993, 1965

PUNCEL I. T. R. See VAETH, J. M.

PYELOGRAPHY

See also Kidneys; Urinary Tract

ELOGRAPHY
See also Kidneys; Urinary Tract
-angiography and renal trauma (ab), E. Maranta and A. Schnauder, 85: 192, 1965
-effect of urography on renal function in patients with multiple myeloma (ab). Michael Brown and John D. Battle, 1r., 85: 191, 1965
-high-dosage excretory urography (ab), Gilbert Ross, Jr., et al, 85: 597, 1965
-infusion pyelography (ab), John H. Harris and John H.

et al, 85: 597, 1965
-infusion pyelography (ab), John H. Harris and John H.
Harris, Jr., 85: 797, 1965
-lymphography, cavography, and urography in evaluation
of malignant lymphomas: study of 100 consecutive lymphoma cases (ab), George Schwarz et al, 85: 1143,

rest of renal function: excretion of contrast medium as measured by urinary specific gravity (ab), Sumner Mar-shall, 85: 598, 1965

shall, 85: 598, 1965

-urographic demonstration of renal medullary necrosis in hemoglobin SA and SC disease, Vernon A. Vix, 85: 320, 1965

-uses of lymphography, lymphadenography and color lymphadenography in urology (ab), Elwin E. Fraley et al, 85: 995, 1965

-variation in kidney length during intravenous pyelogram (ab), S. M. Wolpert, 85: 1003, 1965

PYELONEPHRITIS

-reflux in residual ureter (ab) A. W. Percentage.

-reflux in residual ureter (ab), A. W. Bruce and S. A. Awad, 85: 192, 1965
PYLORUS

See also Stomach

hypertrophy and stenosis

water-soluble contrast media in roentgenographic diagnosis
of hypertrophic pyloric stenosis in infants, Olga M.
Baghdassarian and John J. Vanhoutte, 85: 689, 1965

PYREXAL. See Toxin

QUE, MARCOS Y. See SIGEL, BERNARD QUIMBY, EDITH H. See FOCHT, ELIZABETH F.

de RAAD, R.: An angiographic study of the course of the ophthalmic artery in normal and pathological conditions (ab), 85: 379, 1965

RÅDBERG, CLAES. See GRANHOLM, LARS RABASA, S. L. See HOLMBERG, E. A. D. RABEN, MILTON, CALABRESE, ANTHONY, HIGINBOTHAM, NORMAN L., and PHILLIPS, RALPH: Malignant synovioma (ab), 85: 800, 1965

RABINOY, KEITH R., and SIMON, MORRIS: Peroral Cannulation of the ampulla of Vater for direct cholanging-raphy and pancerator-raphy, ordinary report of a new

cannulation of the ampulla of Vater for direct cholangiography and pancreatography: preliminary report of a new method, 85: 693, 1965

RABINOWITZ, J. See JOWSEY, JENIFER
RABINOWITZ, JACK G., WOLF, BERNARD S., GREENBERG, ELLIOT I., and RAUSEN, AARON R.: Osseous changes in rubella embryopathy (congenital rubella syndrome), 85: 495, 1965

—See LEVINE, MILTON
—See SECKLER, STANLEY G.
RACHMANINOFF, N. See CLIMIE, A. R. W.
RADIATE. See Computers
RADIATIONS
See also Atomic Bomb and Atomic Energy; Counters and

See also Atomic Bomb and Atomic Energy; Counters and Counting; Dosimeters; Dosimetry; Electrons; Near trons; Radiobiology; Radioisotopes; Radium; Radon; Roentgen Rays; Roentgen Therapy; Thorium; Tritium; under names of specific radioisotopes

under names of specific radioisotopes
protection against
—gamma ray evaluation of diagnostic shielding barriers, R. L.
Witcofski, F. C. Watts, L. L. Engstrom, and C. E. Black
well, 85: 1123, 1965
—problems of radiation hygiene in isotope myeloradiometry
(ab), N. I. Nikberg and V. Kh. Krenkel, 85: 605, 1965
—scattering of uncollimated cobalt 60 gamma radiation by
concrete and lead barriers (ab), W. H. Henry and C.
Garrett, 85: 196, 1965

RADIATIONS, INJURIOUS EFFECTS

See also Radiations; Radiobiology; under names of specific agents and under names of organs and regions -medical radiation to children with congenital heart disease (ab), Dennis J. Vince, 85: 606, 1965

accidental -countai - amino acid excretion in human patients accidentally exposed to large doses of partial-body ionizing radiation (Lockport incident) (ab), Frank M. Ganis et al, 85: 1011, 1065.

(Lockport incident) (ab.),

1965

as result of diagnostic procedures
—common causes of excessive patient exposure in diagnostic radiology (ab), Hanson Blatz, 85: 605, 1965
—gonadal x-ray dose to children from diagnostic radiographic technics, N. Aspin, 85: 944, 1965
complications of radiotherapy. See also other subheads under Radiations, Injurious Effects
—complications following megavoltage radiation for carcinoma of bladder (ab), D. N. Edwards, 85: 803, 1965
—delayed effects of radiation on human central nervous system: "early" and "late" (elayed reactions (ab), Peter W. Lampert and Richard L. Davis, 85: 201, 1965
—effects of radiation therapy on pulmonary function in car-

Lampert and Richard L. Davis, 85: 201, 1965

-effects of radiation therapy on pulmonary function in carcinoma of lung, Luther W. Brady, Patricia A. Germon
and Leon Cander, 85: 130, 1965

-eosinophilia after exposure to ionizing radiation (ab), S. S.
Kurohara et al, 85: 406, 1965
granulocyte reserve following radiation therapy as studied
by response to bacterial endotoxin (ab), Samuel Hellman
and Martin E. Fink, 85: 1161, 1965

-radiation and drug-induced hyalinization of stomach (ab),
I. Chandler, Smith and Robert P. Bolande, 85: 1161

Chandler Smith and Robert P. Bolande, 85: 1161.

1965
radiation therapy for cancer of cervix: its late effect on life span as function of regional dose (ab), Henry I. Kohn et al, 85: 1152, 1965
-unusual benign and malignant sequelae to childhood radiation therapy, including "unilateral hyperlucent lung" (ab) Walter E. Berdon et al, 85: 1161, 1965

cutaneous

 cutaneous
 radiation dermatitis and radiogenic neoplasms of hands
 (ab), Shattuck W. Hartwell, Jr., et al. 85: 406, 1965
 delayed. See other subheads under Radiations. Injurious Effects

embryonal, fetal. See Pregnancy, effects of irradiation; Radiobiology, embryonal, fetal. genetic studies gastrointestinal

radiation and drug-induced hyalinization of stomach (ab), J. Chandler Smith and Robert P. Bolande, 85: 1161, 1965

genetic, gonadal. See also Radiobiology, embryonal, fetal, genetic studies

genetic studies
—beta radiation from radioactive iodine ([14]); measurement
of 100 human ovaries (ab), D. L. Weijer, 85: 803, 1965
—gonadal x-ray dose to children from diagnostic radiographic
technics, N. Aspin, 85: 944, 1965
—I<sup>13</sup> content in ovarial and other tissues at different times
after oral administration (ab), Titus C. Evans et al, 85:

603 1965

603, 1965

-sensitivity of gonads to radiation (ab), Solly Zuckerman, 85:
808, 1965
hematologic; hemopoietic. See also Radiations, Injurious
Effects, leukemic

-eosinophilia after exposure to ionizing radiation (ab), S. S.
Kurohara et al, 85: 406, 1965

-persistent chromosomal aberrations following radioiodine
therapy (ab), Mohammed M. Nofal and William H.
Beierwaltes, 85: 603, 1965

hepatic

—production of "fatty liver" by x-irradiation (ab), Cesare
Agostini et al, 85: 407, 1965

—radiation hepatitis (ab), John A. Ingold et al, 85: 809, 1965
in physicians, radiation personnel, etc.

—anesthetists' exposure to radiation during radium implantation procedures (ab), Howard A. Trachtenberg and Eliot
M. Slater, 85: 1161, 1965
—chromosome aberrations in radiation workers (ab). Amos

M. Slater, 85: 1161, 1965

—chromosome aberrations in radiation workers (ab), Amos Norman et al, 85: 201, 1965
—device to facilitate threading of cobalt-60 beads, J. Legal and E. M. Campbell, 85: 959, 1965
—effect of occupational exposure to radiation on the mortality of physicians (ab), Raymond Seltser and Philip E. Sartwell, 85: 605, 1965
—influence of occupational exposure to radiation on mortality of American radiologists and other medical specialists (ab), Raymond Seltser and Philip E. Sartwell, 85: 808, 1965
—radiation dermutities and Philip E. Sartwell, 85: 808, 1965

diation dermatitis and radiogenic neoplasms of hands (ab), Shattuck W. Hartwell, Jr., et al. 85: 406, 1965 leukemic

-irradiation leukemogenesis (ab), John S. Lawrence, 85: metabolic

amino acid excretion in human patients accidentally ex-posed to large doses of partial-body ionizing radiation (Lockport incident) (ab), Frank M. Ganis et al. 85: 1011,

neoplastic
—malignant lymphoma in survivors of atomic bomb in
Hiroshima (ab), Robert E. Anderson and Kenzo Ishida,
85: 406, 1965

RADIATIONS, INJURIOUS EFFECTS, neoplastic-

-pituitary sarcoma: possible consequence of radiation (ab), Arnold H. Greenhouse, 85: 201, 1965 -radiation dermatitis and radiogenic neoplasms of hands (ab), Shattuck W. Hartwell, Jr., et al, 85: 406, 1965 eurologic

neurologic
—delayed effects of radiation on human central nervous system: "carly" and "late" delayed reactions (ab), Peter W.
Lampert and Richard L. Davis, 85: 201, 1965

pleuropulmonary
—effects of radiation therapy on pulmonary function in carcinoma of lung, Luther W. Brady, Patricia A. Germon and cinoma of lung, Luther W. Br Leon Cander, 85: 130, 1965

urinary
—delayed effects of renal irradiation (ab), A. W. Asscher, 85:

608, 1965

RADIOA UTOGRAPHY. See Radiocalcium; Radiocarbon; Radioicalcium; Radiocarbon; Radioicalcium; Radiocarbon; Radioicalcium; Radiocarbon; Radioicalcium; Radiocarbon; Radioicalcium; Radiocarbon; Radioicalcium; See also Radioisotopes; Roentgen Rays; under names of individual isotopes; under names of organs and regions—radioisotopes and radiation in biomedical research; nuclear technics in biomedical research (ab), John H. Lawrence, 85: 896, 1965

pradioisotopes and radiation in biomedical research; scintillation camera in diagnosis and research (ab), H. O. Anger et al, 85: 808, 1965
-radioisotopes and radiation in biomedical research: trace elements in biomedical research (ab), J. M. A. Lenihan, 85: 806, 1965

-semiconductor detectors for nuclear medicine and biology (ab), Stephen S. Friedland et al, 85: 1906, 1965 aging and longevity studies

celerated senescent changes in adrenal cortex of hamster (ab), F. M. Sahinen and A. L. Soderwall, 85: 1163, 1965 ge-dependence of strontium retention in rats and mice (ab), Thomas W. Speckman and William P. Norris, 85:

405, 1995

-lethal effects of x-irradiation and injection of radioactive phosphorus on rats in relationship to age (ab), Melvin R. Sikov and Thomas R. Noonan, 85: 202, 1965

-survival of mice under duration-of-life exposure to gamma

-survival of mice under duration-of-life exposure to gamma rays. II. Pathologic effects (ab), Samuel Lesher et al, 85: 1012, 1965
-variation of strontium metabolism with age in dog (ab), Clarence F. Decker et al, 85: 405, 1965
bacterial, fungal, and infectious studies
-effect of chronic gamma radiation on airborne infection of mice with Listeria monocytogenes (ab), R. H. Stewart et al, 85: 810, 1965

blood and hemopoietic studies

blood and hemopoietic studies

antibiotic therapy after exposure to x rays (ab), Walter
Krasavage and Sol M. Michaelson, 85: 202, 1965

comparison of tritiated thymidine, tritiated water, and cobalt-60 gamma rays in inducing chromosomal aberrations
(ab), William C. Dewey et al. 85: 1011, 1965

effect of erythropoietic stimulation on marrow distribution
in man, rabbit, and rat as shown by Fe<sup>80</sup> and Fe<sup>62</sup> (ab),
Donald Van Dyke et al. 85: 197, 1965

cosinophilia sigter exposure to ionizing radiation (ab), S. S.
Kurohara et al. 85: 406, 1965

granulocytopoiesis. I. Senescence and random loss of
neutrophilic granulocytes in human beings (ab), T. R.
Fliedner et al. 85: 200, 1965

hematopoietic recovery in endotoxin-treated lethally xirradiated BUB mice (ab), Alice M. Savage, 85: 203, 1965

simplified combined Fe<sup>82</sup>-Cr<sup>81</sup> method for erythrokinetic
investigations (ab), Th. Schnider et al, 85: 197, 1985

simultaneous determinations of blood volumes using Evans
blue and sodium radiochromate (ab), John C. Donovan et
al, 85: 404, 1965

whole-body irradiation in the young pig: growth, hematolovy and metabolism of evolum-85 and streations 80

al, 55: 403, 1900

whole-body irradiation in the young pig; growth, hematology, and metabolism of calcium-45 and strontium-89 (ab), R. S. Lowrey and M. C. Bell, 85: 404, 1965

ne studies. See also Radiobiology, bone-marrow studies acute and long-term effects of x-irradiation on skeletal

(ab), R. S. Lowrey and M. C. Bell, 85: 404, 1965

bone studies. See also Radiobiology, bone-marrow studies

acute and long-term effects of x-irradiation on skeletal
growth in rat (ab), Richard D. Phillips and Donald J.
Kimeldorf, 85: 607, 1965

analysis of distribution of Ca<sup>46</sup> in dog bone by quantitativa
untoradiographic method (ab), Jenifer Jowsey et al, 85:
1157, 1965

effect of single 2,000 R exposure of x-rays upon uptake of

by by mouse knee joint (ab), C. W. Wilson, 85: 408, 1965

roentgengraphic development of radiostrontium (Sr<sup>40</sup>)induced osteogenic sarcoma in rat (ab), Thomas W.
Poznanski and Sam Frankel, 85: 1160, 1965

uptake of colloidal chromic radiophosphate (P<sup>42</sup>) by bone
and gonads, Leopoldo J. Anghileri, 85: 938, 1965

bone-marrow studies

and gonads, Leopoldo J. Anghileri, 85: 938, 1965
bone-marrow studies

-abscopal effects of x irradiation on mouse bone marrow
(ab), N. B. Kurnick and Naime Nokay, 85: 203, 1965

-chromosome abnormalities in liver and marrow of mice
irradiated with fast neutrons, gamma rays, and x-rays: effect of dose rate (ab), Peter C. Nowell et al, 85: 810, 1965

-dry mass distribution changes in mouse bone marrow cell
population during first 24 hours after x-irradiation as
determined by interferometry (ab), Hun Lee et al, 85:
1163, 1965

1163, 1965 represented the state of the stat

cancer, tumor studies
—combined therapy with 220 kv roentgen and 10 cm microwave heating in rat hepatoma (ab), Donald B. Cater et al,
85: 195, 1965

effect of neodymium laser radiation on 2 experimental malig-nant tumor systems (ab), John Peter Minton et al, 85: 1161, 1965

effect of ruby laser radiation on Cloudman S-91 melanoma in CDBA/2F; hybrid mouse (ab), John Peter Minton and Alfred S. Ketcham, 85: 608, 1965

Affred S. Aetcham, 85: 008, 1965.

-effect of various hormones, isotopes, and isotope-tagged hormones on breast cancer in rats (ab), William S. Fletcher et al, 85: 806, 1965.

-human cell survivals after pulsed x-irradiation (ab), S. L. Hood and Grace Norris, 85: 809, 1965.

Hood and Grace Norris, 85: 809, 1965
—method for predicting malignant tumor destruction by laser
radiation (ab), John Peter Minton and Marvin Zelen, 85:
1010, 1965
—morphologic demonstration of recurrent tumor following x irradiation; histologic study of irradiated murine chon-drosarcoma transplants (ab), Richard L. Swarm et al. 85;

radiographic localization of labeled carcinogen: carbon 14 labeled dimethylbenzanthracene in hamster cheek pouch (ab), Lawrence H, Meskin and Bertram F. Woolfrey, 85: 602, 1965

85: 602, 1965
7-contgenographic development of radiostrontium (Sr<sup>20</sup>)-induced osteogenic sarcoma in rat (ab), Thomas W. Poznanski and Sam Frankel, 85: 1160, 1965
5-survival of mice under duration-of-life exposure to gamma rays. II. Pathologic effects (ab), Samuel Lesher et al, 85: 1012, 1965

cardiovascular studies

-cardiovascular radiology in calves (ab), B. G. Brogdon et al, 85: 586, 1965 -clinical and experimental studies using Hg<sup>197</sup> Neohydrin as a measure of renal blood flow (ab), Gerald S. Johnston et al, 85: 405, 1965

85: 405, 1965

-collateral lymphaticovenous communications after experimental obstruction of thoracic duct, Toshihiko Neyazaki, Edward A. Kupic, William H. Marshall, and Herbert L. Abrams, 85: 423, 1965

-coronary angiography during acetylcholine-induced cardiac arrest in dog (ab), Trygve Aakhus and Gudmund Semb, 85: 787, 1965

-diagnosis of pulmonary embolism by radioisotope scanning (ab), David C. Sabiston, Jr., and Henry N. Wagner, Jr., 85: 198, 1965

-effects of angiocardiographic injections on blood viscosty. Peter W. Rand and Eleanor Lacombe, 85: 1022, 1965

effects of angiocardiographic injections on blood viscosity,
Peter W. Rand and Eleanor Lacombe, 85: 1022, 1965
-electrocardiographic and pathologic changes after cardiac
x-irradiation in dogs (ab), Steven J. Phillips et al, 85: 201,
1965

experimental coronary arteriography. III. Injuries as

-experimental coronary arteriography. III. Injuries asso-ciated with selective coronary arteriography, Robert M. Lowman and Colin M. Bloor, 85: 645, 1965

- Lowman and Colin M. Bloor, 85: 645, 1965

- Experimental angiography (ab), Jan Ekholm et al, 85: 388, 1965

- Investigation of coronary circulation in combined use of contrast substances and anticoagulants (ab), V. V. Vasil-iera et al, 85: 386, 1965

contrast substances and anticoagulants (ab), V. V. Vasiliera et al, 85: 386, 1965

-lead coating on tricuspid valve in dogs (ab), Erik Carlsson and Jack W. Love, 85: 389, 1965

-major segmental renal arterial constriction: experimental study in dog, Robert Shapiro, John Doppman, Richard Cobb, and John J. Kneisel, 85: 462, 1965

-microcirculatory effects of whole-body x-irradiation and radiomimetic procedures (ab), Benjamin W. Zweifach and Evelyn Kivy-Rosenberg, 85: 1162, 1965

-pathophysiology of subintimal hematoma formation during retrograde arteriography, Gordon J. Gilbert and Gilbert S. Melnick, 85: 308, 1965

-superior mesenteric arteriography in experimental mesenteric venous thrombosis. Marvin J. Friedenberg, Hiram C. Polk, Jr., William H. McAlister and Stephen J. Schochat, 85: 38, 1965

-technic of transseptal catheterization of left atrium, pulmonary veins, and left ventricle in dog, K. Ostergard Petersen, G. Harrington, Nils Magnus Ohisson, Guido Ascanio, and M. J. Oppenheimer, 85: 058, 1965

-toxicity of sodium and methylgucamine salts of diatrizoate, iothalamate, and metrizoate: experimental study of their circulatory effects following intracarotid injection, Harry W. Fischer and Steven H. Cornell, 85: 1013, 1965

cell and tissue studies. See also Radiobiology, cancer, tumor sudcies

studies
studie

RADIOB -tissu hv digesti --chan (a

Vol. 85

-influ pr M -prot a Ze

dosage ef —abso -anti

> dos ele -"ep

-hu -inf

-clin

-sca eff

> st -st

-uj end

leth

liv

ly

t al.

ma

L. 35

5:

ch

1.

gabiobiology, cell and tissue studies—cont.

—tissue distribution of electrolytes, Ca<sup>47</sup>, and Mg<sup>28</sup> in acute hypercalcemia (ab), Stanley Wallach et al, 85: 196, 1965 digestive tract studies. See also Radiobiology, liver studies—changes in electrolyte balance in gastrointestinal syndrome (ab), Z. Zsebók and Gy. Petrányi, Jr., 85: 204, 1965—influence of fractionated x irradiation on intestine of rats protected by cysteine and partial-body shielding (ab), M. P. Sullivan and R. C. Thompson, 85: 407, 1965—protective action of AET upon sodium and water balance ir a so-called gastrointestinal radiation syndrome (ab), Zoltan B. Zsebók and Gyózó Petrányi, Jr., 85: 203, 1965—site of absorption of Co<sup>38</sup>-labeled vitamin Bg: in man: investigation made by intestinal intubation with polyethylene glycol as marker substance (ab), Vagn Rønnov-Jessen and Jacob Hansen, 85: 1007, 1965—use of isolated subcutaneous intestinal loops for direct study of intestinal absorption of radioisotopes in dogs (ab), M. John Murray et al. 85: 196, 1965
dosage studies. See also Radiobiology, relative biological effectiveness

dosage studies. effectiveness

scopal effects of x irradiation on mouse bone marrow (ab), N. B. Kurnick and Naime Nokay, 85: 203, 1965

N. B. Kurnick and Naime Nokay, 85: 203, 1965

-antibiotic therapy after exposure to x rays (ab). Walter Krasavage and Sol M. Michaelson, 85: 202, 1965

-calculation of absorbed dose in soft-tissue cavities in bone irradiated by x-rays (ab), J. L. Howarth, 85: 804, 1965

-clinically useful calculations of dose distribution from multiple radiation sources, Robert M. Adams, Mary Peterson, Vincent P. Collins, Philip T. Hudgins, and Priscilla Gibbs, 85: 361, 1965

-dose-time relationships in cancer radiotherapy: clinical radiobiology study of extremes of dose and time (ab), J. Robert Andrews, 85: 803, 1965

-electron-beam treatment planning in inhomogeneous tissue, J. S. Laughlin, A. Lundy, R. Phillips, F. Chu, and A. Sattar, 85: 324, 1965

-epithermal" neutron beam isodose charts in phantom

Sattar, 85: 524, 1965

-epithermal' neutron beam isodose charts in phantom head, R. G. Fairchild, 85: 555, 1965

-human cell survivals after pulsed x-irradiation (ab), S. L. Hood and Grace Noris, 85: 809, 1965

-influence of fractionated x-irradiation on intestine of rats protected by cysteine and partial-body shielding (ab), M. F. Sullivan and R. C. Thompson, 85: 407, 1965

-exattered radiation in phantom from diagnostic quality radiation, E. Dale Trout and John P. Kelley, 85: 546, 1965

mhrvanal, fetal, genetic studies

ation, E. Dale Trout and John P. Kelley, 85: 546, embryonal, fetal, genetic studies

effects of ionizing radiation on embryo and fetus: reviex experimental data (ab), E. V. Hulse, 85: 607, 1965

effects of x-irradiation on male fertility in guinea pig: 8

production after x-irradiation of testis, body, or head (ab), M. Freund and F. J. Borrelli, 85: 809, 1965 -radioisotopes and radiation in biomedical research: studies in mammalian radiation genetics (ab), W. L. Russell, 85: 807, 1965

807, 1965

-sterility due to radioactive phosphorus in mice (ab), E. A. D. Holmberg et al, 85: 199, 1965

-strain variation in reproductive capacity and radiation response of female mice (ab), U. H. Ebling, 85: 408, 1965

-uptake of colloidal chromic radiophosphate (P<sup>21</sup>) by bone and gonads, Leopoldo J. Anghileri, 85: 938, 1965

endocrine studies. See also Gonads; Thyroid; other subheads under Radiobiology

-accelerated senescent changes in adrenal cortex of hamster (ab), F. M. Sahinen and A. L. Soderwall, 85: 1163, 1965
 -adrenal function in rhesus monkey after total-body x-irradiation (ab), R. C. Wolfe and R. E. Bowman, 85: 203,

1965

1965

effects of ionizing radiations on endocrine cells. IV. Increased production of 17α, 20α, dihydroxyprogesterone in rat testes after irradiation (ab), David L. Berliner and Le Grande C. Blis, 85: 1012, 1965

plasma and adrenal gland corticosterone levels after x-ray exposure in rats (ab), J. M. Abdul Hameed and Thomas J. Haley, 85: 407, 1965

lethality studies. See also other subheads under Radiobiology—antibiotic therapy after exposure to x rays (ab), Walter Krasavage and Sol M. Michaelson, 85: 202, 1965

hematopoletic recovery in endotoxin-treated lethally x-irradiated BUB mice (ab), Alice M. Savage, 85: 203, 1965

-lethal effects of x-irradiation and injection of radioactive phosphorus on rats in relationship to age (ab), Melvin R. Sikov and Thomas R. Noonan, 85: 202, 1965

liver studies

- chromosome abnormalities in liver and marrow of mice irradiated with fast neutrons, gamma rays, and x-rays; effect of dose rate (ab), Peter C. Nowell et al, 85: 810, 1965

combined therapy with 220 kv roentgen and 10 cm micro-wave heating in rat hepatoma (ab), Donald B. Cater et al, 85: 195, 1965

measurement of local hepatic circulation: technic using tissue clearance of radioactive sodium (Na<sup>22</sup>) (ab), Bernard Sigel and Marcos Y. Que, 85: 1009, 1965
 lymph and lymphatic studies. See also Lymphatic System, other subheads under Radiobiology
 autopsy control studies on visceral distribution of radioactive Lipiodol injected in lymphatic system (ab), G. Fava and L. Roncoroni, 85: 198, 1965

-collateral lymphaticovenous communications after experimental obstruction of thoracic duct, Toshihiko Neyazaki, Edward A. Kupic, William H. Marshall, and Herbert L. Abrams, 85: 423, 1965
-radiographic visualization of substernal lymph nodes, P. Ruben Koehler, 85: 565, 1965
-etabolic studies. See also Radioiodine; Thyroid
-changes in electrolyte balance in gastrointestinal syndrome (ab), Z. Zsebők and Gy. Petrányi, Jr., 85: 204, 1965
-creatine metabolism after x-irradiation of rats. II. Direct and indirect effect of radiation (ab), G. B. Gerber et al.

metabolic studies.

and indirect effect of radiation (ab), G. B. Gerber et al

85: 408, 1965
-protective action of AET upon sodium and water balance in

protective action of AET upon sodium and water balance in a so-called gastrointestinal radiation syndrome (ab), Zoltan B. Zsebők and Győző Petrányi, Jr., 85: 203, 1965-strontium-calcium interrelationships in growing rat (ab), Ray F. Palmer and Roy C. Thompson, 85: 199, 1965-tissue distribution of electrolytes, Ca<sup>4</sup>; and Mg<sup>28</sup> in acute hypercalcemia (ab), Stanley Wallach et al, 85: 196, 1965-variation of strontium metabolism with age in dog (ab), Clarence F. Decker et al, 85: 405, 1965-whole-body irradiation in the young pig: growth, hematology, and metabolism of calcium-45 and strontium-89 (ab), R. S. Lowrey and M. C. Bell, 85: 404, 1965-uscle studies

muscle studies

responses of x-irradiated dogs to induced muscular contraction in vivo (ab), Ching-Tong Liu and R. R. Overman, 85: 1162, 1965

neurologic and psychologic studies
—effect of x irradiation and certain other treatments on blood-brain barrier permeability (ab), V. Nair and L. J. Roth, 85: 202, 1965

85: 202, 1965
-enhancement of anticonvulsant action of acetazolamide after head x irradiation and its relation to blood-brain barrier changes (ab), V. Nair et al, 85: 203, 1965
-further studies of x-ray conditioned saccharin aversion during the postexposure period (ab), James C. Smith et al, 85: 1162, 1965
-responses of x-irradiated dogs to induced muscular contraction in vivo (ab), Ching-Tong Liu and R. R. Overman, 85: 1162, 1965

85 1162 1965

85: 1162; 1965
ophthalmologic studies
effects of x-irradiation on injury reaction in lens epithelium
(ab), Clifford V. Harding et al, 85: 1011, 1965
protective and therapeutic agents. See also other subheads
under Radiobiology
—antibiotic therapy after exposure to x rays (ab), Walter
Krasavage and Sol M. Michaelson, 85: 202, 1965
—effect of various hormones, isotopes, and isotope-tagged
hormones on breast cancer in rats (ab), William S. Fletcher et al, 85: 806, 1965
—hematopoietic recovery in endotoxin-treated lethally xirradiated BUB mice (ab), Alice M. Savage, 85: 203,
1965

1965
-influence of fractionated x irradiation on intestine of rats
protected by cysteine and partial-body shielding (ab),
M. F. Sullivan and R. C. Thompson, 85: 407, 1965
-protective action of AET upon sodium and water balance in
a so-called gastrointestinal radiation syndrome (ab),
Zoltan B. Zsebök and Gyözö Petrányi, Jr., 85: 203, 1965 pulmonary studies

dual lung-scanning technic for evaluation of pulmonary function, George V. Taplin and Norman D. Poe, 85: 365.

1965
-effect of prolonged atelectasis or ischemia upon lungs of
growing dogs (ab), Richard M. Peters et al, 85: 988,
1965
-radiological changes in pulmonary atelectasis (ab), Allan
M. Lansing, 85: 783, 1965

radiosensitivity
--sensitivity of gonads to radiation (ab), Solly Zuckerman, 85:

808, 1995
relative biological effectiveness
—chromosome abnormalities in liver and marrow of mice
irradiated with fast neutrons, gamma rays, and x-rays;
effect of dose rate (ab), Peter C. Nowell et al, 85: 810, 1965

comparison of tritiated thymidine, tritiated water, and co-

-comparison of tritiated thymidine, tritiated water, and co-balt-60 gamma rays in inducing chromosomal aberrations (ab), William C. Dewey et al, 85: 1011, 1965 -heavy particles and Bragg peak in therapy (ab), John H. Lawrence et al, 85: 1006, 1965 respiratory tract studies. See Radiobiology, pulmonary studies effects of roentgen therapy on host acceptance of autogenous bone grafts in dogs, J. Ted Hartman and Robert Rapp, 85: 532, 1965

prolongation of renal homograft function by local graft radiation (ab), H. Myron Kauffman, Jr., et al, 85: 809, 1965

urinary tract studies
—clinical and experimental studies using Hg<sup>197</sup> Neohydrin as
a measure of renal blood flow (ab), Gerald S. Johnston
et al, **85**: 405, 1965

ecar, 85: 405, 1965
-major segmental renal arterial constriction: experimental study in dog. Robert Shapiro, John Doppman, Richard Cobb, and John J. Kneisel, 85: 462, 1965
-tenal function judged with radioactive Diodrast after selective renal angiography in dogs (ab), B. Bodforss et al, 85: 398, 1965

RADIOBIOLOGY, urinary tract studies—cont.
—tissue distribution of electrolytes, Ca<sup>17</sup>, and Mg<sup>28</sup> in acute hypercalcemia (ab), Stanley Wallach et al, 85: 196, 1965 RADIOCALCIUM

unalysis of distribution of Ca<sup>6</sup> in dog bone by quantitative autoradiographic method (ab), Jenifer Jowsey et al, 85: 1157, 1965

isotopic method for measurement of calcium absorption from gastrointestinal tract (ab), G. Alan Rose et al, 85: 1157

1965

-rates of uptake of calcium and phosphorus in microscopic bone structures (ab), J. Strandh et al, 85: 804, 1965
-strontium-calcium interrelationships in growing rat (ab), Ray F. Palmer and Roy C. Thompson, 85: 199, 1965
-tissue distribution of electrolytes, Ca<sup>2</sup>, and Mg<sup>2</sup> in acute hypercalcemia (ab), Stanley Wallach et al, 85: 196, 1965
-whole-body irradiation in the young pig: growth, hematology, and metabolism of calcium-45 and strontium-89 (ab), R. S. Lowrey and M. C. Bell, 85: 404, 1965

RADIOCARBON
-radiographic localization of labeled carcinogen: carbon 14

radiographic localization of labeled carcinogen: carbon 14 labeled dimethyl-benzanthracene in hamster cheek pouch (ab), Lawrence H. Meskin and Bertram F. Woolfrey, 85:

RADIOCESIUM

cesium-131 seeds for permanent implants, U. K. Henschke and D. C. Lawrence, 85: 1117, 1965 gamma-ray evaluation of diagnostic shielding barriers, R. L. Witcofski, F. C. Watts, L. L. Engstrom, and C. E. Black-Witcofski, F. C. Watts, L. L. Engstrom, and C. E. I well, 85: 1123, 1965 normalization of clinical gamma radiation exposure me-ments in Sweden (ab), R. Thoraeus, 85: 1006, 1965

RADIOCHROMIUM also Radiophosphorus

See also Radiophosphorus

deglutition by normal and anencephalic fetuses (ab), Jack

A. Pritchard, 85: 1157, 1965.

simplified combined Fe<sup>30</sup>-Cr<sup>51</sup> method for erythrokinetic investigations (ab), Th. Schnider et al, 85: 197, 1965.

simultaneous determinations of blood volumes using Evans blue and sodium radiochromate (ab), John C. Donovan et al, 85: 404, 1965.

RADIOCOBALT

See also Radiobiology Vitamins B.

DIOCOBALI
See also Radiobiology; Vitamins, B<sub>12</sub>
-linear accelerator supervoltage radiotherapy. VII.
cinoma of prostate, Malcolm A. Bagshaw, Her
Kaplan and Robert H. Sagerman, 85: 121, 1965

apparatus and equipment cobalt-60 rotational therapy calculator, Walter P. Scott, 85:

395, 1965
 compression device for telecobalt therapy of pelvis (ab), Hermann Kapp-Schwoerer, 85: 195, 1965
 device to facilitate threading of cobalt-60 beads, J. Legal and E. M. Campbell, 85: 959, 1965
 dosimetry. See also Radiocobalt, apparatus and equipment new method for obtaining multifield and rotational dose distributions in cobalt-60 teletherapy, J. C. F. MacDonald, 85: 716, 1965
 normalization of clinical gamma radiation exposure measurements in Sweden (ab), R. Thoraeus, 85: 1006, 1965
 scattering of uncollimated cobalt 60 gamma radiation by concrete and lead barriers (ab), W. H. Henry and C. Garrett, 85: 196, 1965
 in gynecology
 compression device for telecobalt therapy of pelvis (ab),

gynecology

-compression device for telecobalt therapy of pelvis (ab),

Hermann Kapp-Schwoerer, 85: 195, 1965

hydrogen for the formal state of th 1965

therapy. See also Prostate, cancer; other subheads under Radiocobalt
—cancer of bladder: combined 5-fluorouracil and cobalt-60 teletherapy (ab), Joseph J. Kaufman et al, 85: 402, 1965
—cobalt-60 teletherapy (bk rev.), Ivan H. Smith et al, 85: 161,

-dual lung-scanning technic for evaluation of pulmonary func-tion, George V. Taplin and Norman D. Poe, 85: 365, 1965 effect of erythropoietic stimulation on marrow distribution in man, rabbit, and rat us shown by Fe<sup>52</sup> and Fe<sup>52</sup> (also studies on Au<sup>189</sup>, (ab), Donald Van Dyke et al, 85: 197,

endolymphatic therapy with radioactive gold for malignant melanoma (ab), G. H. Jantet et al, 85: 197, 1965 RADIOGRAPHS

-x radiography with mercury 197 (ab), B. Herszberg et al, 85: 604, 1965 RADIOIODINE

See also Blood, proteins; Goiter; Radiobiology; Thyroid; etc.

etc.

-autopsy control studies on visceral distribution of radioactive Lipiodol injected in lymphatic system (ab), G.
Fava and L. Roncoroni, 85: 198, 1965.

-beta radiation from radioactive iodine (1<sup>13</sup>)—measurement
of 100 human ovaries (ab), D. L. Weijer, 85: 603, 1965.

-effect of x irradiation and certain other treatments on bloodbrain barrier permeability (ab), V. Nair and L. J. Roth,
85: 202, 1965.

-human brain scanning with radioiodinated macroaggregates of human serum albumin: preliminary report, Leonard Rosenthall, 85: 110, 1965

-I<sup>181</sup> content in ovarial and other tissues at different times after oral administration (ab), Titus C. Evans et al, 85:

603, 1965
-iodine 125 as radiation source with special emphasis on its applications in medical radiology. I. Theoretical considerations (ab), Per Beronius et al, 85: 1007, 1965

-iodine 125 as radiation source with special emphasis on its applications in medical radiology. II. AgI and Cul as point roentgen sources (ab), Per Beronius et al, 85: 1008, 1965

1008, 1965

-scintiscanning with low-energy photon emitters, Milo M.
Webber, 85: 116, 1965

-statistical evaluation of 1125 vs 1121 for scanning cold lesions
(ab), Raymond L. Libby, 85: 603, 1965

-unilateral chylous lymphedema and xanthomatosis: study
of factors governing flow of intestinal lymph (ab), R. B.
Goldrick and E. H. Ahrens, Jr., 85: 182, 1965

blood and hemopoietic studies. See Radioiodine, therapy
cardiovascular studies

ardiovascular studies
—cardiac output by external radioisotope counting in patients
reverted from atrial fibrillation (ab), Abraham A. Polachek et al, 85: 805, 1965
—demonstration of ventricular aneurysms by radioisotope
scanning, David C. Meek, Donald W. Brown, Carlton L.
Shmock, and S. Gilbert Blount, Jr., 85: 856, 1965
—detection of portal systemic shunts by hepatopulmonary
scanning using 1½1 MAA: study and application of
macroaggregated albumin (MAA) labelled with 1½1 (III)
(ab), Hideo Ueda et al, 85: 1159, 1965
—intravenous radioportography: screening procedure for
patients with portal hypertension (ab), R. D. Grünert et
al, 85: 1009, 1965
—new technic for detection of left-to-right cardiac shunts by

ai, 85: 1009, 1965

-new technic for detection of left-to-right cardiac shunts b
use of esophageal Geiger-Müller tube (ab), Gordon E
Ira, Jr., and Edward S. Orgain, 85: 1008, 1965
nervous system studies

nervous system studies
-scintiscanning in space-occupying lesions of skull (ab), R
Spencer, 85: 806, 1965
-Te<sup>5m</sup> pertechnetate for brain scanning (comparative study)
(ab), J. G. McAfee et al, 85: 604, 1965
-technic of gamma encephalography using two opposing
counters (ab), A. Chevallier and G. Methin, 85: 805, 1965
pulmonary studies
-dual lung-scanning technic for evaluation of pulmonary
function Gaerney V. Teolio and Versier D. P.

nal lung-scanning technic for evaluation of pulmonary function, George V. Taplin and Norman D. Poe, 85: 365,

lung scanning with radioiodinated macroaggregates of human serum albumin (ab), Leonard Rosenthall, 85: 1158, 1965

1108, 1965 -unusual distribution of pulmonary blood flow between right and left lung in man: study and application of macro-aggregated albumin (MAA) labeled with 11<sup>21</sup> (II) (ab), Hideo Ueda et al, 85: 805, 1965

therapy
—intralymphatic radioactive therapy for pelvic cancer (ab),
Peter Siegel and Edwin J. Liebner, 85: 805, 1965
—persistent chromosomal aberrations following radioiodine
therapy (ab), Mohammed M. Nofal and William H.
Beierwaltes, 85: 603, 1965

Beierwaltes, 85: 603, 1995
urologic studies
—quantitative analysis of I-131 sodium o-iodohippurate
renogram in hypertensive patients (ab), Sandor H. Wax
and Donald F. McDonald, 85: 404, 1965
—radioisotope renogram in polycystic kidney disease (ab),
Kenneth H. Doolittle, 85: 1009, 1965
—renal function judged with radioactive Diodrast after selec-

tive renal angiography in dogs (ab), B. Bodforss et al, 85: 1965

RADIOIRON

RADIOIRON

- antibiotic therapy after exposure to x rays (ab), Walter Krasavage and Sol M. Michaelson, 85: 202, 1965

- effect of erythropoietic stimulation on marrow distribution in man, rabbit and rat as shown by Fe<sup>th</sup> and Fe<sup>52</sup> (ab), Donald Van Dyke et al, 85: 197, 1965

- iron-59 absorption measurements by whole-body counting: studies in alcoholic cirrhosis, hemochromatosis, and pancreatitis (ab), D. J. Deller, 85: 1158, 1965

- simplified combined Fe<sup>59</sup>-Cr<sup>51</sup> method for erythrokinetic investigations (ab), Th. Schnider et al., 85: 197, 1965

- use of isolated subcutaneous intestinal loops for direct study of intestinal absorption of radioisotopes in dogs (ab), M. John Murray et al, 85: 196, 1965

RADIOISOTOPES

See also Counters and Counting; under names of individual

See also Counters and Counting; under names of individual

ce also Counters and Counting; under names of individual radioisotopes
-cross scanning: simple way to improve resolution (ab),
-walter S. Hill and Jorge Traibel, 85: 1007, 1965
-radioactive isotopes in clinical medicine (ab), Solomon
-silver, 85: 1154, 1965
-radioisotopes and radiation in biomedical research: nuclear
-technics in biomedical research (ab), John H. Lawrence,
-85: 806, 1965
-radioisotopes and radiation in biomedical research: scintili-radioisotopes and radiation in biomedical research; scintili-radioisotopes and radiation in biomedical research; scintili-

radioisotopes and radiation in biomedical research: scintil-lation camera in diagnosis and research (ab), H. O. Anger et al. 85: 808, 1965 radioisotopes and radiation in biomedical research: studies

mammalian radiation genetics (ab), W. L. Russell,

85: 807, 1965
radioisotopes and radiation in biomedical research: trace elements in biomedical research (ab), J. M. A. Lenihan, 85: 806, 1965

Vol. 85 RADIOI

revi -sem

in -use

RADIO Alaba Amer Amer Arizon Arkar Assoc

Block Brook Centi Chica Color Geor Inter Kent

Los A Mar

Men Milv Min New New Nort Okla Ore Pac Pen Phil

Que Rad Rad Rac Sar

Pitt

Soc Soc Ter Ter W

RAD fift

RAL RAT

35

its

1

15

RADIOISOTOPES-ont.

RADIOISOTOPES—ont.

—revised average geometric factors for cylinders in isotope dosage. Part I, Elizabeth F. Focht, Edith H. Quimby and Martin Gershowitz, 85: 151, 1965.
—semiconductor detectors for nuclear medicine and biology (ab), Stephen S. Friedland et al, 85: 1006, 1965.
—University of Pittsburgh postgraduate course: advances in radioactive scanning, 85: 374, 1965.
—use of radioisotopes in orthopedics. Part III. Experimental and clinical studies (ab), Robert D. Ray and Karl H. Mueller, 85: 1156, 1965.

RADIOKRYPTON
—pre- and Dostoperative measurement.

pre- and postoperative measurements of regional cerebral blood flow in 3 cases of intracranial arteriovenous aneuysms (ab), E. Häggendal et al, 85: 983, 1965
RADIOLOGICAL SOCIETIES

ADJULUGICAL SOCIETIES
Alabama Radiological Society, 85: 971, 1965
American College of Radiology, Texas Chapter, 85: 373, 1965
American Radium Society, 85: 158, 1965
Arizona Radiological Society, 85: 971, 1965
Arkansas Chapter, the American College of Radiology, 85: 570, 1965

Association of University Radiologists, 85: 158, 1965
Association of University Radiologists, 85: 158, 1965
Blockley (Penna.) Radiological Society, 85: 771, 1965
Brooklyn Radiological Society, 85: 373, 1965
Buffalo (N. Y). Radiological Society, 85: 373, 1965
Central Ohio Radiological Society, 85: 169, 1965
Chicago Roentgen Society, 85: 129, 1965
Chicago Roentgen Society, 85: 129, 1965
Colorado Radiological Society, 85: 129, 1965
Eastern Radiological Society, 85: 373, 1965
Health Physics Society
—annual meeting, 85: 772, 1965
Illinois Radiological Society, 85: 1129, 1965
Interamerican College of Radiology, 85: 1130, 1965
Kentucky Chapter, American College of Radiology, 85: 1129, 1965
Long Island Radiological Society, 85: 071, 1965

1965
Long Island Radiological Society, 85: 971, 1965
Los Angeles Radiological Society, 85: 771, 1965
—Midwinter Radiological Society, 85: 771, 1965
Maryland Radiological Society, 85: 771, 1965
Medical Society of District of Columbia Section on Radiology, 85: 373, 1965
Memphis Roentgen Society, 85: 159, 1965
Milwaukee Roentgen Ray Society, 85: 373, 1965
Milwaukee Roentgen Ray Society, 85: 570, 1965
New England Roentgen Ray Society, 85: 570, 1965
North Dakota Radiological Society, 85: 373, 1965
North Dakota Radiological Society, 85: 373, 1965
North Eastern New York Radiological Society, 85: 1129, 1965

Northern California Radiological Society, 85: 373, 1965
Ohio Radiological Society, 85: 570, 1965
Ohio Radiological Society, 85: 570, 1965
Oklahoma State Radiological Society, 85: 373, 1965
Oregon Radiological Society, 85: 771, 1965
Pacific Northwest Radiological Society, 85: 771, 1965
Pennsylvania Radiological Society, 85: 571, 1965
Philadelphia Roentgen Ray Society, 85: 373, 1965
Oucens County (N. Y.) Radiological Society, 85: 971, 1965
Radiological Society of Connecticut, 85: 971, 1965
Radiological Society of Hawaii, 85: 771, 1965
Radiological Society of Hawaii, 85: 771, 1965
Radiological Society of Hawaii, 85: 571, 1965
Radiological Society of Southern California, 85: 571, 1965

Radiological Society of Venezuela, 85: 971, 1965 Rocky Mountain Radiological Society, midsummer conference, 85: 158, 1965 San Antonio Civilian-Military Radiological Society, 85: 374,

secretaries and meeting dates, 85: 163, 1965
Society for Pediatric Radiology, 85: 1129, 1965
South Carolina Radiological Society, 85: 971, 1965
Tennessee Radiological Society, 85: 374, 1965
Texas Chapter, American College of Radiology, 85: 373, 1965

1965
Washington State Radiological Society, 85: 971, 1965
West Virginia Radiological Society, 85: 1129, 1965
Westchester (N. Y.) Radiological Society, 85: 374, 1965
Wisconsin Radiological Society, 85: 7129, 1965
Wyoming Radiological Society, 85: 771, 1965
RADIOLOGICAL SOCIETY OF NORTH AMERICA
—adiology refresher courses, postgraduate instructions of the second sec

instruction.

fifty-first annual meeting and the control of the c

85: 568, 1965
—preliminary program, 85: 745, 1965
—prefresher courses, 85: 753, 1965
—technical exhibits, 85: 975, 1965
RADIOLOGY (the journal)
—change of editors (ed) Howard P. Doub, 85: 968, 1965
—Mr. Fleck retires, 88: 158, 1965
RADIOLOGY and RADIOLOGISTS
—See also Education; Radiations, Injurious Effects
—improved radiological classification of diseases (ab), Morris
—simon, 85: 1063, 1965

—RADIATE: new concept for computer coding, transmit-ting, storing, and retrieving radiological data, Arch W. Templeton, Gwillym S. Lodwick, and Arch H. Turner, Jr., 85: 811, 1965 history

history
—Museum of Radiology (ed), M. H. Poppel, 85: 153, 1965
—radiology—a twenty-five year review (ed), Howard P. Doub, 85: 1124, 1965
occupational hazards

occupational hazards
—effect of occupational exposure to radiation on the mortality
of physicians (ab), Raymond Seltser and Philip E.
Sartwell, 85: 605, 1965
—influence of occupational exposure to radiation on mortality
of American radiologists and other medical specialists (ab),
Raymond Seltser and Philip E. Sartwell, 85: 808, 1965
RADIOMAGNESIUM
—tissue distribution of electrolytes, Ca<sup>17</sup>, and Mg<sup>28</sup> in acute
hypercalcemia (ab), Stanley Wallach et al, 85: 196, 1965
RADIOMERCURY
—brain scans in diagnosis of brain

blomercury

chorin scans in diagnosis of brain tumors: scanning with
chlormerodrin Hg<sup>903</sup> and chlormerodrin Hg<sup>197</sup> (ab), Paul
C. Bucy and Ivan S. Ciric, 85: 1010, 1965
brain scans in non-neoplastic intracranial lesions: scanning
with chlormerodrin Hg<sup>903</sup> and chlormerodrin Hg<sup>197</sup> (ab),
Marvin C. Overton, III, et al., 85: 1009, 1965
-clinical and experimental studies using Hg<sup>195</sup> Neohydrin as
a measure of renal blood flow (ab), Gerald S. Johnston
et al. 85: 405, 1965

function, George V. Taplin and Norman D. Poe, 85: 365,

1965

isotope encephalography: experience with 100 cases (ab),
 James W. D. Bull and John Marryat, 85: 1159, 1965
 Neohydrin Hg<sup>197</sup> and renal scintiscanning (ab), A. Desgrez et al, 85: 199, 1965

et al, 85: 199, 1965
—scintiscanning in space-occupying lesions of skull (ab), R. Spencer, 85: 806, 1965
—scintiscanning with low-energy photon emitters, Milo M. Webber, 85: 116, 1965
—Tesum pertechnetate for brain scanning (comparative study) (ab), J. G. McAfee et al, 85: 604, 1965
—x-radiography with mercury 197 (ab), B. Herszberg et al, 85: 604, 1965

RADIOMIMETIC DRUGS
See also under names of drugs, as Nitrogen mustard.

See also under names of drugs, as Nitrogen mustard—microcirculatory effects of whole-body x-irradiation and radiomimetic procedures (ab), Benjamin W. Zweifach and Evelyn Kivy-Rosenberg, 85: 1162, 1965—radiation and drug-induced hyalinization of stomach (ab), J. Chandler Smith and Robert P. Bolande, 85: 1161, 1965

RADIOPHOSPHORUS

RADIOPHOSPHORUS

—balloon radioautography in differentiation of benign and malignant gastric lesions (ab), George N. Stein et al, 85: 1159, 1965

—ffect of various hormones, isotopes, and isotope-tagged hormones on breast cancer in rats (ab), William S. Fletcher et al, 85: 896, 1965
—ethal effects of x-irradiation and injection of radioactive phosphorus on rats in relationship to age (ab), Melvin R. Sikov and Thomas R. Noonan, 85: 202, 1965
—radioisotope diagnosis of eye tumors and means for its improvement (ab), B. P. Kalashnikov and Yn. A. Bystrova, 85: 604, 1965
—rates of uptake of calcium and phosphorus in microscopic bone structures (ab), J. Strandh et al, 85: 804, 1965
—sterility due to radioactive phosphorus in mice (ab), E. A. D. Holmberg et al, 85: 199, 1965
—uptake of celloidal chromic radiophosphate (P<sup>12</sup>) by bone and gonads, Leopoldo J. Anghileri, 85: 938, 1965

RADIOPRASEODYMIUM
—gamma-ray evaluation of diagnostic shielding barriers, R. L.

gamma-ray evaluation of diagnostic shielding barriers, R. L. Witcofski, F. C. Watts, L. L. Engstrom, and C. E. Black-well, 85: 1123, 1965 well, 85: 112: RADIOSELENIUM

—detection of cartilaginous tumors with selenium 75, J. Esteban, D. Lasa and S. Perez-Modrego, 85: 149, 1965 RADIOSODIUM

Esteban, D. Lasa and S. Perez-Modrego, 85: 149, 1965
RADIOSODIUM

—measurement of local hepatic circulation: technic using tissue clearance of radioactive sodium (Na<sup>22</sup>) (ab), Bernard Sigel and Marcos Y. Que, 85: 1009, 1965

RADIOSTRONTIUM

—age-dependence of strontium retention in rats and mice (ab), Thomas W. Speckman and William P. Norris, 85: 405, 1965

—contribution to radiotherapy of oral leukoplakia (ab), Rudolf v. Salis-Samaden, 85: 200, 1965

—contribution to radiotherapy of oral leukoplakia (ab), Rudolf v. Salis-Samaden, 85: 200, 1965

—contribution to radiotherapy of oral leukoplakia (ab), Parenard S. S. 199, 1965

—roentgenographic development of radiostrontium (Sr<sup>89</sup>)-induced osteogenic sarcoma in rat (ab), Thomas W. Poznanski and Sam Frankel, 85: 1190, 1965

—strontium-calcium interrelationships in growing rat (ab), Ray F. Palmer and Roy C. Thompson, 85: 199, 1965

—treatment of hemangiomas with strontium 90 (ab), Wolfgang Schmidt, 85: 199, 1965

—variation of strontium metabolism with age in dog (ab),

gang Schmidt, 85: 199, 1965

-variation of strontium metabolism with age in dog (ab),
Clarence F. Decker et al, 85: 405, 1965

-whole-body irradiation in the young pig: growth, hematology and metabolism of calcium-45 and strontium-89

(ab), R. S. Lowrey and M. C. Bell, 85: 404, 1965

RADIOSULFUR

-effect of single 2,000 R exposure of x-rays upon uptake of S<sup>20</sup> by mouse knee joint (ab), C. W. Wilson, **85**: 408, 1965 - effect of x-irradiation and certain other treatments on bloodbrain barrier permeability (ab), V. Nair and L. J. Roth, **85**: 202, 1965

enhancement of anticonvulsant action of acetazolamide after head x irradiation and its relation to blood-brain barrier changes (ab), V. Nair et al, 85: 203, 1965 RADIOTECHNETIUM

dood-pool scanning with technetium<sup>99m</sup> human serum al-bumin, Frederick J. Bonte and Thomas S. Curry, III, **85**: 1120, 1965

dual lung-scanning technic for evaluation of pulmonary function, George V. Taplin and Norman D. Poe, 85: 365.

RADIOTHERAPY

See also Dosimeters: Dosimetry; Electrons; Radio-biology; Roentgen Therapy; and under diseases, organs, and regions effect of unplanned interruption of radiation therapy; retro-spective survey (ab), Lars R. Holsti and Pentti J. Task-

—effect of unplanned interruption of radiation therapy; retro-spective survey (ab), Lars R. Holsti and Pentti J. Taskinen, 85; 195, 1965
—experience with hyperbaric oxygenation in clinical radiotherapy (ab), Harold L. Atkins et al, 85; 1154, 1965
—heavy particles and Bragg peak in therapy (ab), John H. Lawrence et al, 85; 1006, 1965
—influence of tumor grade on radiotherapy results (ab), H. J. G. Bloom, 85; 1153, 1965
—method for predicting malignant tumor destruction by laser radiation (ab), John Peter Minton and Marvin Zelen, 85; 1010, 1965
—palliative rădiation therapy (ab), Robert G. Parker, 85; 85: 1010, 1965 palliative radiation therapy (ab), Robert G. Parker, 85:

600, 1965

600, 1965

-radiation therapy for cancer of cervix: its late effect on life span as function of regional dose (ab), Henry I. Kohn et al, 85: 1152, 1965

-radiotherapeutic problems best handled with split-dose therapy (ab). Paul W. Scanlon, 84: 1153, 1965

-tumor air ratio calculators, Walter P. Scott, 85: 962, 1965
RADIOXENON

Pre- and postoperative measurements of regional cerebral blood flow in 3 cases of intracranial arteriovenous aneurysms (ab). E. Häggendal et al. 85: 983, 1965
 Problems of radiation hygiene in isotope myeloradiometry (ab). N. I. Nikberg and V. Kh. Krenkel, 85: 605, 1965
 RADIOYTTRIUM

contribution to radiotherapy of oral kakoplakia (ab), Rudolf v. Salis-Samaden, 85: 200, 1965 -destruction of hypophysis with Sr<sup>90</sup>-V<sup>90</sup> needle (ab), Paul V. Harper et al, 85: 199, 1965

Harper et al. **35**: 199, 1995 -treatment of hemangiomas with strontium 90 (ab), Wolfgang Schmidt, **85**: 199, 1965 -treatment of patients with advanced cancer utilizing Y<sup>90</sup> -microspheres (ab), Robert J. Blanchard et al. **85**: 1160,

RADIOZINC

-metabolism of zinc 65 in man (ab), Herta Spencer et al, 85: RADIUM

dosage
— single plane implants using needles of same uniform
activity (ab), R. Howells and R. Oliver, 85: 403,
therapy. See Bladder, cancer; Mouth, cancer; leukoplakia; Pharynx, cancer; Uterus, Cancer
ADIUS. See Elbow uniform linear Mouth

RADIOS. See Endow

ADON

—problems of radiation hygiene in isotope myeloradiometry (ab), N. I. Nikberg and V. Kh. Krenkel, 85: 605, 1965

RAFTERY, EDWARD B.: Cine-angiographic study of aortic valve dynamics (ab), 85: 1140, 1965

RAGHIB, GUNAY. See GIROD, DONALD

—See LUNDQUIST, CHARLES B.
RAHIMTOOLA, SHAHBUDIN H. See BROWN, RICHARD RAKOWER, J., and MILWIDSKY, H.: Hydatid pleural disease (ab), 85: 178, 1965

RAMAMURTHI, B. See VARADARAJAN, M. G.
RAMIOUL, H. See DESMONS, M.
RAMSAY, G. CRAIG. See ELIS, KENT

RAND, PETER W., and LACOMBE, ELEANOR: Effects of angiocardiographic injections on blood viscosity, 85: 1022, 1965

RANDALL, HENRY T. See LAWRENCE, WALTER, Jr.
RAPP, ROBERT. See HARTMAN, J. TED
RAUSEN, AARON R. See RABINOWITZ, JACK G.
RAVIN, HERBERT A. See FEIGELSON, HOWARD H.
RAY, C. THORPE. See PATTERSON, RODNEY M.
RAY, ROBERT D., and MUELLER, KARL H.: Use of radioisotopes in orthopaedics. Part 111. Experimental and
clinical studies (ab), 85: 1156, 1965
RAYL, JOHN E.: Tracheobronchial collapse during cough, 85:
87, 1965

RAYL, JOHN E.: 87, 1965

RAYNAUD, C. See DESGREZ, A. RECTUM

cancer

—indications for high-speed electron therapy (ab), P. M. Van Vaerenbergh and K. Schelstraete, 85: 403, 1965 physiology

defecography or anorectal studies in children includi —defecography or anorectal studies in children including cinefluorographic observations (ab), B. St. J. Brown, 85: 1145-1965
REED, G. W. See ROSE, G. ALAN
REED, G. G. See ROSE, G. ALAN
REEVB, RICHARD. See McGUIRE, LOCKHART B.
REFLUX. See Esophagus; Ureters
REFLUX. See Esophagus; Ureters
REFRESHER COURSES. See Radiological Society of North

America
REHM, A., and HAAGE, H.: Contribution to the diagnormal and pathologic adrenal gland (ab), 85:

REICH, STANLEY B., and ABOUAV, JACOB: Interalveolar air drift, 85: 80, 1965 REID, J. ALÂN. See PHILLIPS, STEVEN J. REID, LYNNE, and MILLARD, F. J. C.: Correlation between radiological diagnosis and structural lung changes in em-

REIZENSTEIN, DAVID L. See WALLACH, STANLEY
RESEARCH
Spen Death.

e also Radiobiology

International Congress of Radiation Research (3d), 85: 1129, 1965

radioisotopes and radiation in biomedical research: nuclear technics in biomedical research (ab), John H. Lawrence, 85: 806, 1965

85: 806, 1965
-radioisotopes and radiation in biomedical research: scintillation camera in diagnosis and research (ab), H. O. Anger et al, 85: 808, 1965
-radioisotopes and radiation in biomedical research: studies in mammalian radiation genetics (ab), W. L. Russell, 85:

807, 1965
radioisotopes and radiation in biomedical research: trace elements in biomedical research (ab), J. M. A. Lenihan,

elements in bolinear as a second of the seco

Lathrop, F. Jiminez, R. Fink, and A. Gottschalk, 85: 101, 1965

histicocytosis X; report of 15 cases in pediatric age group (ab), Rafic E. Melhem et al, 85: 599, 1965 -lymphographic appearances of malignant pelvic lymph node involvement (ab), B. F. Vaughan and J. F. Varey, 85: 181, 1965

radiological aspects of Burkitt's tumor (ab), W. Peter Cockshott, 85: 1145, 1965

RETICULOSARCOMA. See Sarcoma, reticulosarcoma RETINOCHOROIDITIS

-ventricular diverticulum in infantile hydrocephalus (ab), Lars Granholm and Claes Rådberg, 85: 1135, 1965 RETRIEVING. See Computers RETROPERITONEUM. See Abdomen; Hodgkin's Disease;

RETROPERITONEUM. See Abdomen; Hodgkin's Disease; Lymph Nodes
de REUS, H. D.: Fractures of the middle third of the facial skeleton (ab), 85: 984, 1965
REUTER, STEWART R., and OLIN, TORD: Stenosis of the celiac artery, 85: 617, 1965
—See OLIN, TORD B.
REUTERSKIÖLD, A. See EKENGREN, KRISTINA
REYELT, WALTER P., Jr., and ANDERSON, ARTHUR A.:
Retrograde jejunogastric intussusception (ab), 85: 592, 1965

REYNOLDS, T. B. See YAMAMOTO, S. RHABDOMYOSARCOMA. See Sarcoma, myosarcom RHEUMATIC FEVER cardiac complications

-dextrorotation of heart in rheumatic mitral stenosis: report of case complicated by obesity (ab), Nathan Poker and Israel Steinberg, 85: 582, 1965

RIBS

RIBS
fractures
—lumbar back pain arising from stress fractures of lower ribs:
report of 4 cases (ab), David B. Horner, 85: 187, 1965
RICCI-CACCHI DISASE. See Kidneys, cysts
RICHARDS, GEORGE J., Jr. See SCHIRMER, HORST K. A.
RICHARDS, VICTOR. See LEE, HUN
RICKETTS, ROBERT M. See SLOAN, ROBERT F.
RIDDELL, A. G., CAMPBELL, A. C. P., and McNULTY,
M. R.: Congestive splenomegaly in lymphosarcoma of
the spleen: pathological and radiological findings (ab),
85: 1149, 1965
RIGLER LEO G. See HOFFMAN, RICHARD B.

RIGLER LEO G. See HOFFMAN, RICHARD B. RIPPEY, JOHN G. See HINCK, VINCENT C. RISKA, ERIK B. See LANGENSKIÖLD, A.

Vol. 85 RITCHI RITCHI

RITCHI ROBAR ROBBII ROBER ROBER

ROBER POBER

ROČEK ROCK

RØNN

ROEN

appa ne S11

diag

effe filtra fluo

high

-te

pro

ste

h

RITCHIE, G. MacL.: Hypophosphatasia: a metabolic disease with important dental manifestations (ab), 85: 579, 1965 RITCHIE, GORDON W., and KEIM, HUGO A.: Radiographic analysis of major foot deformities (ab), 85: 188, 1965 RITCHIE, WALLACE P. See BLANCHARD, ROBERT J. ROBARDS, VICTOR L., Jr. See ROSS, GILBERT, Jr. ROBEINS, LAURENCE L. See JANOWER, MURRAY L. ROBERTS, D. I.: Nisbet symposium: tumours of bladder. (1) Clinical aspects (ab), 85: 194, 1965.

(1) Clinical aspects (ab), 85: 194, 1965

ROBERTSON, BENGT, TUNELL, RAGNAR, and RUDHE, ULF: Late stages of pulmonary hyaline membranes of the newborn (ab), 85: 784, 1965

ROBERTSON, E. GRAEME: Comparative assessment of pneumoencephalography in investigation of cerebral neoplasms and increased intracranial pressure (ab), 85: ROBERTSON I.

ROBERTSON, J. S. See FLIEDNER, T. M.
ROBINSON, JAMES A. See MISSAL, MORRIS E.
ROČEK, V., BENDA, K., VOLEJNÍK, J., and DUŠEK, J.:
Roentgenologic features of mucoviscidosis (cystic fibrosis
of the pancreas) (ab), 85: 593, 1965.
ROCKOFF, S. DAVID: A new versatile microdensitometric

FF, S. DAVID: A new versatile microdensitometric stem for quantitative radiographic analysis, 85: 731,

BRAUNWALD, EUGENE

RØNNOV-JESSEN, VAGN, and HANSEN, JACOB: Site of absorption of Co<sup>68</sup>-labeled vitamin B<sub>12</sub> in man: an investigation made by intestinal intubation with polyethylene glycol as a marker substance (ab), 85: 1007, 1965. ROENTGEN RAYS

NTGEN RAYS
see also Body-Section Roentgenography; Cineroentgenography; Dosimeters; Dosimetry; Radiations, Injurious
Effects; Radiobiology; Radiotherapy; Roentgen Therapy; Roentgenograms; etc.
tray contamination in total-skin electron therapy of
lymphoma cutis and exfoliative dermatitis, J. H. Grollman, Jr., Stanley M. Bierman, J. E. Morgan, and Richard
E. Ottoman, 88: 356, 1965
maratus and equipment

E. Ottoman, 85: 356, 1965
apparatus and equipment
— filters. See Roentgen Rays, high-voltage
—new instrument for operative cholangiography (ab), A.
Clifford Abbott, 85: 185, 1965
—superimposed front lens oscillography in cinefluorography,
Jose L. Gimenez, Alfred Bove, and Archie Blackstone,
85: 352, 1965

diagnosis

iagnosis common causes of excessive patient exposure in diagnostic radiology (ab), Hanson Blatz, 85: 605, 1965 gonadal x ray dose to children from diagnostic radiographic technics, N. Aspin, 85: 944, 1965 iodine 125 as (roentgen) source with special emphasis on its applications in medical radiology. 1. Theoretical considerations (ab), Per Beronius et al., 85: 1007, 1965 iodine 125 as (roentgen) source with special emphasis on its applications in medical radiology. II. AgI and CuI as point roentgen sources (ab), Per Beronius et al., 85: 1008, 1965 excattered radiation in phantom from diagnostic quality

radiation, E. Dale Trout and John P. Kelley, 85: 546, 1965

1965

effects. See Radiobiology
filtration. See Roentgen Rays, high voltage
fluoroscopy. See also Cineroentgenography: and under
names of organs and regions, as Breast; Larynx
—carbon dioxide and horizontal fluoroscopy in intrauterine
fetal transfusions, William Hanafee and Richard Bashore,
85: 481, 1965
—television fluoroscopy in cerebral pneumography, Charles
Stuart, 85: 927, 1965
high-voltage. See also Pyelography
—selective filtration: practical approach to high-kilovoltage
radiography, G. H. Maguire, R. A. Beique, and A. D.
Rotenberg, 85: 343, 1965
injurious effects.

physics

dependence of build-up ratio on field size and sourcesurface distance, Thomas Ashton and Jiri Zamecnik, 85:

956, 1965
-new versatile microdensitometric system for quantitative radiographic analysis, S. David Rockoff, 85: 731, 1965
-physical factors relating to details in a radiograph (ab), K. Yuen and H. F. Batho, 85: 600, 1965
-scattered radiation in phantom from diagnostic quality radiation, E. Dale Trout and John P. Kelley, 85: 546, 1965

x-radiography with mercury 197 (ab), B. Herszberg et al, 85: 604, 1965

protection against. See also Radiobiology, protective and

rotection against. See also Radiobiology, protective and therapeutic agents
-gamma-ray evaluation of diagnostic shielding barriers, R. L. Witcofski, F. C. Watts, L. L. Engstrom, and C. E. Blackwell, 85: 1123, 1965
-influence of fractionated x-irradiation on intestine of rats protected by cysteine and partial-body shielding (ab), M. F. Sullivan and R. C. Thompson, 85: 407, 1965

ereoscopy setereokineradiography. Part I: Perception of motion and depth. Part II: Past attempts, current designs and proposed solutions (ab), Majic Potsaid, 85: 401, 1965

stereokineradiography. Part III: Mathematical concepts and models (ab), Majic Potsaid and James Misho, 85: 401, 1965

401, 1965
mic. See also Cineroentgenography: Roentgen Rays,
physics; Roentgen Rays, stereoscopy: Television
reromammography and film mammography: comparative
study. Francis F. Ruzicka, Jr., Leonard Kaufman,
Gerald Shapiro, Joseph V. Perez, and Carlo E. Grossi, 85: technic.

ROENTGEN THERAPY
See also Cancer, radiotherapy; Dosimetry; Radiations,
Injurious Effects; Radiobiology; Radiotherapy; under
diseases, organs, and regions

apparatus
—composite filter technic and special patient jig for treatment
of whole brain and spinal cord (ab), D. O. Bottrill et al,
85: 1004, 1965

85: 1004, 1965
high-voltage
—carcinoma of esophagus: therapeutic results using supervoltage technics (ab), L. W. Brady et al, 85: 1004, 1965
—carcinoma of lung: results of supervoltage radiation therapy
(ab), Luther W. Brady et al, 85: 799, 1965
—linear accelerator supervoltage radiotherapy. VII. Carcinoma of prostate, Malcolm A. Bagshaw, Henry S. Kaplan and Robert H. Sagerman, 85: 121, 1965
—supervoltage radiation therapy: use of linear accelerator for
treating ovarian adenocarcinoma (ab), Robert H. Sagerman et al, 85: 1004, 1965
technic

composite filter technic and special patient jig for treatment of whole brain and spinal cord (ab), D. O. Bottrill et al, 25, 102, 1025.

ROPER, CHARLES L. See SUGG, WINFRED L.
ROPER, CHARLES L. See SUGG, WINFRED L.
ROSE, G. ALAN, REED, G. W., and SMITH, A. H.: Isotopic method for measurement of calcium absorption from the gastro-intestinal tract (ab), 85: 1157, 1965
ROSEN, LAWRENCE, WEIDNER, WILLIAM, and HANA-FEE, WILLIAM: Angiographic visualization of the subarachnoid cisterns, 85: 1, 1965
ROSENTHALL, LEONARD: Human brain scanning with radioiodinated macroaggregates of human serum albumin: a preliminary report, 85: 110, 1965
Lung scanning with radioiodinated macroaggregates of human serum albumin (ab), 85: 1158, 1965
ROSNER, D., JOSHUA, H., and GUTGLAS, H.: Value of punch biopsy in the preoperative radiotherapy of cancer of the breast and the cytological examination (ab), 85: 402, 1965

of the breast and the cytological examination (ab), 85: 402, 1965
ROSOFF, BETTY. See SPENCER, HERTA
ROSS, GILBERT, Jr., WILSON, WILLIAM J., ROBARDS,
VICTOR L., Jr., and THOMPSON, IAN M.: High
dosage excretory urography (ab), 85: 597, 1965
ROSS, JOHN Jr. See BRAUNWALD, EUGENE
ROSS, PAUL: Calcification in liver metastases from neuroblastoma, 85: 1074, 1965
ROSSI, P., SABOT, G., and VIDAL, B.: Tracheobronchomegaly
(Mounier-Kuhn syndrome) (ab), 85: 176, 1965
ROSSI, PLINIO, SHAHINFAR, A. HAMID, and RUZICKA,
F. F., Jr.: Transtracheal selective bronchography, 85:
829, 1965
See ROUSSELOT, LOUIS M.

829, 1965
—See ROUSSELOT, LOUIS M.
ROTENBERG, A. D. See MAGUIRE, G. H.
ROTENBERG, M. I.: Roentgenologic features of esophagus

ROTENBERG, M. I.: Roentgenologic features of esophagus in old age (ab), 85: 182, 1965
ROTH, HAROLD P., and FLESHLER, BERTRAM: Diffuse esophagual spasm: clinical, radiological, and manometric observations (ab), 85: 390, 1965
ROTH, L. J. See NAIR, V.
ROTH, M.: Caudal end of the spinal cord. I. Normal pneumographic features (ab), 85: 1147, 1965
ROTMAN, MARVIN Z. See CAPLAN, LAWRENCE H.
ROUJEAU, J., and de BRUX, J.: Pseudotumoral form of pulmonary infarcts: anatomicopathologic study (ab), 85: 785, 1965

pulmonary infarcts: anatomicopathologic study (ab), 85: 785, 1965.

ROUSSEL, J., PERNOT, C., SCHOUMACHER, P., PERNOT, M., and KESSLER, Y.: Statistical considerations on bronchogenic carrinoma of the iron miner of the Lorraine Valley (ab), 85: 383, 1965.

ROUSSELOT, LOUIS M., GROSSI, CARLO E., SLATTERY, JOHN, ROSSI, PLINIO, CONTE, ALEXANDER J., and RUZICKA, FRANCIS F.: Hepatic outflow occlusion during hepatic artery infusion with chemotherapeutic argents (ab), 85: 787, 1965.

ROYAL SWEDISH ACADEMY OF SCIENCE—Professor W. V. Mayneord honored, 85: 571, 1965.

RUBELLA. See Pregnancy, rubella in RUBIN, HARRY. See SECKLER, STANLEY G.

RUBIN, PHILIP, and KRAMER, SIMON: Ectopic pinealoma:

a radiocurable neuroendocrinologic entity, 85: 512, 1965

— See BRUNEAU, ROBERT

— See KUROHARA, S. S.

— See LEVITT, SEYMOUR H.
RUBINSTEIN, BERTA M. See CAPLAN, LAWRENCE H.
RUBINSTEIN, BERTA M. See CAPLAN, LAWRENCE H.
RUBINSTEIN, BERTA M. See CAPLAN, ROBERT
RUDHE, ULF. See ROBERTSON, BENGT

— See STEINBACH, HOWARD L.
RÜTTIMANN, A., WELLAUER, J., SCHAMAUN, M., AKOVBIANTZ, A., and MIDDENDORP, U.: Percutaneous
transhepatic cholangiography (ab. 85: 791, 1965

RUGGIERO, G., DETTORI, P., LEIGHTON, R. S., and
PACIFICO, L.: Encephalography with urea (ab), 85:

1135, 1965

RUGH, ROBERTS.
See HARDING, CLIFFORD V.
STEVEN J.
RUIZ, ARMANDO E. See POLACHEK, ABRAHAM A.
RUSSELL, W. L.: Radioisotopes and radiation in biomedical
research: studies in mammalian radiation genetics (ab),
88. 807 1965.

85: 807. 1965.

RUSSELL, WARREN, and NEWTON, THOMAS H.:
Aneurysm of vein of Galen: case report and review of literature (ab). 85: 175, 1965.

RUTISHAUSER, M.: Malignant pulmonary cavity (ab), 85:

RUTISHAUSER, M.: Malignant pulmonary cavity (ab., 82-1137, 1965)

RUTLEDGE, FELIX N., FLETCHER, GILBERT H., and MacDONALD, ELEANOR J.: Pelvic lymphadenectomy as an adjunct to radiation therapy in treatment for cancer of the cervix (ab), 85: 1152, 1965

See JING, BAO-SHAN

RUZICKA, FRANCIS F., Jr., KAUFMAN, LEONARD, SHAPIRO, GERALD, PEREZ, JOSEPH V., and GROSSI, CARLO E.: Xeromammography and film mammography: a comparative study, 85: 260, 1965

See ROSSI, PLINIO

See ROSSI, PLINIO

SABISTON, DAVID C., Jr., and WAGNER, HENRY N., Jr.: Diagnosis of pulmonary embolism by radioisotope scanning (ab), 85: 198, 1965
SABOT, G., See ROSSI, P.

-further studies of x-ray conditioned saccharin aversion during the postexposure period (ab), James C. Smith et al. 85: 1162, 1965
SACHER, GEORGE A. See LESHER, SAMUEL SACROCOCYGEAL REGION
-roentgenologic findings in sacrococcygeal teratoma (ab), Ole Eklof, 85: 794, 1965
SACRUM
-influence of

SACRUM
—influence of weight-bearing on lumbar spine: radiological
study (ab), L. M. Jonck, 85: 394, 1965
SAGERMAN, KOBERT H., BAGSHAW, MALCOLM A.,
and KAPLAN, HENRY S.: Linear accelerator supervoltage radiation therapy: carcinoma of the bladder (ab),
85: 802, 1965

50: 802, 1900
 See BAGSHAW, MALCOLM A.
 HANKS, GERALD E., and BAGSHAW, MALCOLM A.:
 Supervoltage radiation therapy: use of the linear accelerator for treating ovarian adenocarcinoma (ab), 85: 1004-1005.

celerator for treating ovarian adenocarcinoma (ab), 85: 1004, 1965
SAHAY, B. M. See BLENDIS, L. M.
SAHINEN, F. M., and SODERWALL, A. L.: Accelerated senescent changes in adrenal cortex of the hamster (ab), 85: 1163, 1965
SALHANICK, LOUIS. See HARROW, BENEDICT R.
v. SALIS-SAMADEN, RUDOLF: Contribution to radiotherapy of oral leukoplakia (ab), 85: 200, 1965
SALLESE, ANTHONY. See LESHER, SAMUEL

methylglucamine. See Iodine and Iodine Compounds
SAMMONS, B. P. See HOTCHKISS, ROBERT S.
SAMUEL, ERIC. See YOUNG, BRUCE
SANCHEZ, G., and CHASE, NORMAN E.: Early venous
filling in a case of well encapsulated intracerebral abscess
(ab), 85: 780, 1965
SANDY, ROBERT E.: Cholecystography in the presence of
polycystic disease of the liver: report of a case and review
of the literature, 85: 895, 1965
SAN FRANCISCO CANCER SYMPOSIUM (I), 85: 972, 1965
SANTY, P., GALY, P., and CHASSARD, A.: Primary connective tissue tumors of the diaphragm (ab), 85: 786, 1965
SARCOIDOSIS

effects of sarcoid on lungs (ab), Benjamin M. Lewis et al, 85: 1138, 1965

oo: 1108, 1995 -recurrent unilateral hilar adenopathy in sarcoidosis (ab), Donald C. Kent, 85: 987, 1995 -septal lines in sarcoidosis (ab), David H. Trapnell, 85: 385, 1995

SARCOMA
See also under organs and regions
—end-differentiation of bone sarcomas in relation to tumor
distribution and patient age (ab), Nils P. G. Edling, 85:

-rates of growth of skeletal sarcomas (ab), John S. Spratt, Jr., 85: 794, 1965

85: 794, 1965
chondrosarcoma
—detection of cartilaginous tumors with selenium 75, J.
Esteban, D. Lasa and S. Perez-Modrego, 85: 149, 1965
—morphologic demonstration of recurrent tumor following
x irradiation: histologic study of irradiated murine
chondrosarcoma transplants (ab), Richard L. Swarm
et al, 85: 204, 1965
Ewing's. See Tumors, Ewing's

Ewing's. See Tumors, Ewing's fibrosarcoma
—pituitary sarcoma: possible consequence of radiation (ab), Arnold H. Greenhouse, 85: 201, 1965

"congestive splenomegaly in lymphosarcoma of spleen;
pathological and radiological findings (ab), A. G. Riddell
et al, 85: 1149, 1965

"malignant lymphoma in survivors of atomic bomb in
Hiroshima (ab), Robert E. Anderson and Kenzo Ishida,

85: 406, 1965
meningosarcoma
—isotope encephalography: experience with 100 cases (a
James W. D. Bull and John Marryat, 85: 1159, 1965 myosarcoma

rhabdomyosarcomas of head and neck in children: place of radiotherapy (ab), R. Perez-Tamayo and S. Kramer, 85: 193, 1965 See Bones, tumors

osteogenic. See Bones, tumors reticulosarcoma —malignant lymphoma in survivors of atomic bomb in Hiroshima (ab), Robert E. Anderson and Kenzo Ishida, 85: 406, 1965

rhabdomyosarcoma. See Sarcoma, myosarcoma

rhabdomyosarcoma. See Sarcoma, myosarcoma therapy—clinicostatistical report on 172 cases of sarcoma of soft tissue (ab), R. Miccil, 85: 402, 1965—treatment of sarcomas of soft tissue by ionizing radiation: indications and results (ab), M. Córte-Real, 85: 401, 1965
SARTWELL, PHILIP E. See SELTSER, RAYMOND SASAKI, MOTOMICHI. See NORMAN, AMOS SATTAR, A. See LAUGHLIN, JOHN S.
SAUVEGRAIN, J., NAHUM, H., BENÉTON, J. P., TAYLOR, and Le BALLE: Spontaneous pneumomediastinum in the newborn (ab), 85: 581, 1965
SAVAGE, ALICE M.: Hematopoietic recovery in endotoxintreated lethally x-irradiated BUB mice (ab), 85: 203, 1965

SAWYERS, J. L., SESSIONS, R. T., KILLEN, D. A., and FOSTER, J. H.: Cardiopulmonary response to injection of angiographic contrast medium (ab), 85: 179, 1965
SCANLON, PAUL W.: Radiotherapeutic problems best handled with split-dose therapy (ab), 85: 1153, 1965
SCANNING. See Physics; Radioisotopes; organs and regions SCATLIFF, JAMES H., and BULL, JAMES W. D.: Radio-legisly, manifestations of supposition products in times.

manifestations of suprasellar metastatic tissue

logical manifestations of suprasellar metastatic tissue (ab), 85: 781, 1965

— MISHKIN, MARK M., and HYDE, IVAN: Vertebral arteriography: an evaluation of methods, 85: 14, 1965

SCHAER, L. R. See ANGER, HAL O. SCHAMAUN, M. See RÜTTIMANN, A. SCHECHTER, M. M., and ZINGESSER, L. H.: The radiology

of basilar thrombosis, 85: 23, 1965.

—See ZINGESSER, L. H.

SCHELSTRAETE, K. See Van VAERENBERGH, P. M.

SCHENK, ERIC A., and HAGGERTY, JAMES: Morquio disease: a radiologic and morphologic study (ab), 85:

SCHIEBLER, G. L. See BROGDON, B. G.
 See KROVETZ, L. JEROME
 SCHIRMER, HORST K. A., and RICHARDS, GEORGE J.,
 Jr.: Prognostication of carcinoma of the prostate metastatic to the skeleton by radiological studies (ab), 85: 598, 1965

SCHISTOSOMIASIS

SCHISTOSOMIASIS

-roentgen appearance of schistosomiasis mansoni involving colon, Jose T. Medina, Wm. B. Seaman, Carlos Guzman Acosta, and Rafael B. Diaz-Bonnet, 85: 682, 1965

SCHLEGEL, JORGEN U. See ELLIOTT, JOHN P., Jr. SCHMID, J. R. See SCHNIDER, Th. SCHMID'S DYSOSTOSIS. See Bones, growth SCHMIDT, ALLAN G.: A roentgen sign in strangulating obstructions of the small intestine, 85: 698, 1965

OOSTUCEOUS OF the Small intestine, 65: 696, 1905
SCHMIDT, H. See GRÜNERT, R. D.
SCHMIDT, WOLFGANG: Treatment of hemangiomas with
strontium 90 (ab), 85: 199, 1965
SCHNAUDER, A. See MARANTA, E.
SCHNECK, STUART A., and KRICHEFF, IRVIN I.: Intra-

SCHNECK, STUART A., and KRICHEFF, IRVIN 1.: Intra-cranial aneurysm rupture, vasospasm, and infarction (ab).

85: 576, 1965

CHNEIDER, RICHARD C., LIVINGSTON, KENNETH E., CAVE, A. J. E., and HAMILTON, GILBERT: "Hang-man's fracture" of the cervical spine (ab), 85: 985, 1965

SCHNEIDER, V. M.: Linea m. solei (linea poplitea tibiae) in a roentgenogram (ab), 85: 188, 1965

SCHNIDER, Th., SCHMID, J. R., and OECHSLIN, R. J.: Simplified combined Fe<sup>30</sup>-Cr<sup>51</sup> method for crythrokinetic investigations (ab), 85: 197, 1965

SCHOBER, R.: Selective bronchial arteriography (ab), 85: 179, 1965

SCHORN, VICTOR G. See LOVE, J. GRAFTON

SCHOR SCHOU SCHREI SCHREI SCHULT SCHWA SCHWA -LEE

Vol. 85

SCHWI SCINTI SCOTT SEAMA

SEBAC cysts SECKL SELEN

SELIK SELLA

T

SEMI

-V

SELTS

SEMI SEPT SEPT SERG

> SESS SESS SHA

SH 6 SHA SHA SHA SHA

SHO

SCHORR, JACK. See WALLACH, STANLEY SCHOUMACHER, P. See ROUSSEL, J. SCHREIBER, H. W. See MAURER, H.-J. SCHREIBER, H. W. See MAURER, H.-J. SCHREIBER, MELVYN H.: Radiologic examination of the larynx (ab). 85: 782, 1985 SCHULTZ, EVERETT H. See PETERS, RICHARD M. SCHWARTZ, SOLOMON. See LeVINE, MILTON SCHWARZ, GEORGE: Hodgkin s disease: the role of lymphangiography (ab). 85: 589, 1965.
—LEE, BURTON J., and NELSON, JAMES H.: Lymphography caputeraphy and uncertaphy in the evaluation of

TEE, BURTON J., and NELSON, JAMES H.: Lymphog-raphy, cavography and urography in the evaluation of malignant lymphomas: a study of 100 consecutive lymphoma cases (ab), 85: 1143, 1965 SCHWINGER, AARON: Eosinophilic granuloma of the upper GI tract: a report of 3 cases (ab), 85: 789, 1965 SCOTT, H. WILLIAM, Jr. See O'NEILL, JAMES A., Jr. SCOTT, WALTER P.: Cobalt-60 rotational therapy calculator, 85: 965, 1965

85: 905, 1905 Tumor air ratio calculators, 85: 962, 1965 SEAMAN, WILLIAM B. See ATKINS, HAROLD L. —Se: MEDINA, JOSE T. SEBACEOUS GLANDS

cysts
—Gardner's syndrome (ab), C. J. B. Muller, 85: 400, 1965
SECKLER, STANLEY G., RUBIN, HARRY, and RABINO-WITZ, JACK G.: Systemic cystic angiomatosis (ab), 85: 594, 1965

radioactive. See Radioselenium
SELIKOFF, IRVING J., CHURG, JACOB, and HAMMOND,
E. CUYLER: Relation between exposure to asbestos and
mesothelioma (ab), 85: 1137, 1965

evaluation of angiography in diagnosis of suprasellar tumors (ab), Emanuel H. Feiring and Jerome H. Shapiro, 85: 173, 1965

radiological manifestations of suprasellar metastatic tissue (ab), James H. Scatliff and James W. D. Bull, 85: 781, 1965

1999 some observations on sella in old age and arterial hyper-tension (ab), I. Kelsey Fry and G. du Boulay, **85**: 781

SELTSER, RAYMOND, and SARTWELL, PHILIP E .: The SELTSER, RAYMOND, and SARTWELL, PHILIP E.: The effect of occupational exposure to radiation on the mortality of physicians (ab), 85: 605, 1965

The influence of occupational exposure to radiation on the mortality of American radiologists and other medical specialists (ab), 85: 808, 1965

SEMB, GUDMUND. See AAKHUS, TRYGVE
SEMILUNAR CARTILAGES

—primary articular-cartilage calcification with arthritis (pseudogout syndrome) (ab), Warner D. Bundens, Jr. et al. 85: 793, 1965

al. 85 1965 SEMINAL VESICLES

SEMINAL VESICLES

See also Pelvis, roentgenography
—vasoseminal vesiculography as diagnostic aid in prostatic
and seminal vesicle disease (ab), John P. Elliott, Jr., et al.
85: 399, 1965

SEMINOMA. See Tumors, seminoma
SEPTAL LINES. See Lungs, roentgenography
SEPTUM PELLUCIDUM. See Brain
SERGEEV, P. V. See VASILIERA, V. V.
SESAMOID BONES
—two types of fracture of radial sesamoid bone of meta-

SERGEEV, P. V. See VASILIERA, V. V. SERVERINI, A. See CHIAPPA, S. SESAMOID BONES

—two types of fracture of radial sesamoid bone of metacarpophalangeal joint of thumb (ab). Bertil Stener and Ingemar Stener, 85: 795, 1965

SESSA, ANGELA. See AGOSTINI, CESARE
SESSIONS, R. T. See SAWYERS, J. L.
SEYMOUR, E. QUITMAN, and PETTIT, HAROLD S.: Preoperative x ray therapy in cancer of the esophagus, 85: 952, 1965

SEYNHAEVE, V. See EECKELS, R.
SHAFRON, MELVIN, and WIENER, STEPHEN N.: Pantopaque examination of cerebellopontine angle, 85: 921, 1965

SH 617L. See Iodine and Iodine Compounds

SHAH, KISHOR D. See FOLGER, GORDON M., Jr. SHAPIRO, GENALD. See ROSSI, PLINIO SHANKLIN, D. R. See BROGDON, B. G. SHAPIRO, GERALD. See RUZICKA, FRANCIS F., Jr. SHAPIRO, GERALD. See RUZICKA, FRANCIS F., Jr. SHAPIRO, GERALD. See FEIRING, EMANUEL H.
—See FERRIS, ERNEST J.
SHAPIRO, ROBERT, DOPPMAN, JOHN, COBB, RICHARD, and KNEISEL, JOHN J.: Major segmental renal arterial constriction: experimental study in dog, 85: 462, 1965

SHEEHAN, F. R. See HRESTCHYSHYN, M. M.
SHELINE, GLENN E., PHILLIPS, THEODORE L., and BOLDREY, EDWIN: Therapy of unbiopsied brain tumors (ab), 85: 1149, 1965

See WARD, ROBERTSON

SHEPS, SHELDON G. See MALDONADO, JORGE E. SHINGLETON, WILLIAM H. See FLEEMMA, ROBERT J. SHMOCK, CARLTON L. See MEEK, DAVID C. SHOCK, CARLTON L. See PRIEDENBERG, MARVIN J. SHOPFNER, CHARLES E., JABBOUR, J. T., and VALLION, R. M.: Craniolacunia (ab), 85: 981, 1965

SHOCK
—pulmonary edema following treatment of arrhythmias by direct-current shock (ab), Leon Resnekov and Lawson

-pulmonary edema following treatment of arrhythmias by direct-current shock (ab), Leon Resnekov and Lawson McDonald, 85: 1137, 1965

SHOULDER

tumors
—detection of cartilaginous tumors with selenium 75, J.
Esteban, D. Lasa and S. Perez-Modrego, 85: 149, 1965
wounds and injuries

wounds and injuries
—post-traumatic osteolysis of outer end of clavicle (ab),
Philip Jacobs, 85: 393, 1965
SHULL, HARRISON J. See O'NEILL, JAMES A., Jr.
SHULLMAN, JONAS A., PHILLIPS, LEON A., and PETERSDORF, ROBERT G.: Errors and hazards in the diagnosis
and treatment of bacterial pneumonias (ab), 85: 986, 1965
SICKLE-CELL DISEASE
—urographic demonstration of renal medullary necrosis in
hemoglobin SA and SC disease, Vernon A. Vix, 85: 320,
1965

SIDEROPENIA. See Anemia, hypochromic: Iron, deficiency SIEGEL, PETER, and LIEBNER, EDWIN J.: Intralymphatic radioactive therapy for pelvic cancer (ab), 85: 805,

1965
SIEGELMAN, STANLEY S., and BOSNIAK, MORTON A.:
Renal arteriography in hydronephrosis: its value in
diagnosis and management, 85: 609, 1965
SIEKER, H. O. See BUCKLEY, C. E., III.
SIGEL, BERNARD, and QUE, MARCOS Y.: Measurement
of local hepatic circulation: a technique using tissue
clearance of radioactive sodium (\*2Na) (ab), 85: 1009,

SIGEL, MELVIN E. See FISCH, UGO P. SIKOV, MELVIN R., and NOONAN, THOMAS R.: Lethal effects of x-irradiation and injection of radioactive phos-phorus on rats in relationship to age (ab), 85: 202,

SILBIGER, MARTIN L., and KUSHNER, LOIS N.: Tracheo-bronchial perforation: its diagnosis and treatment, 85: 242, 1965 242, 1965
242, 1965
See BROGDON, B. G.
SILVER, IAN A. See CATER, DONALD B.
SILVER, SOLOMON: Radioactive isotopes in clinical medicine
(ab), 85: 1154, 1965

iodide

iddde 125 as radiation source with special emphasis on its applications in medical radiology. I. Theoretical considerations (ab), Per Beronius et al, 85: 1007, 1965 i-iodine 125 as radiation source with special emphasis on its applications in medical radiology. II. AgI and CuI as point roentgen sources (ab), Per Beronius et al, 85: 1008, 1965

1965
SILVERMAN, FREDERIC N. See CHAMBERLAIN,
DONALD S.
SILVERMAN, M. S. See STEWART, R. H.
SIM, G. P. G.: Evaluation of tests for hiatus hernia (ab), 85:

SIMON, GEORGE: Radiology and emphysema (ab), 85: 177,

1965
SIMON, MORRIS: Improved radiological classification of diseases (ab), 85: 1003, 1965
—See RABINOV, KEITH R.
SINGLE ARM PRESSURE INJECTION. See Angiocardi-

ography, technic
SINCLETON, A. O., Jr., and KIRKSEY, THOMAS: Hyperfunction of the parathyroids (ab), 85: 580, 1965
SINCLETON, EDWARD B., and FAYKUS, MAX H.: Incidence of peptic ulcer as determined by radiologic examinations in the pediatric age group (ab), 85: 591, 1965
SINUS
SINUS

SINUS

BOOK STATES OF THE 
maxillary. See Maxillary Sinus sphenoid. See Sphenoid Sinus SKIN

cancer

—indications for high-speed electron therapy (ab), P. M. Van Vaerenbergh and K. Schelstraete, 85: 403, 1965 diseases. See Dermatitis, exfoliative; other subheads under

effects of irradiation radiation dermatitis and radiogenic neoplasms of hands (ab), Shattuck W. Hartwell, Jr., et al, 85: 406, 1965

tumors

-x-ray contamination in total-skin electron therapy of lymphoma cutis and exfoliative dermatitis. J. H. Grollman, Jr., Stanley M. Bierman, J. E. Morgan, and Richard E. Ottoman, 85: 336, 1965

KKOGLUND, STEN. See EKHOLM, JAN SKOM, J. H. See BREWER, J. I. SKYRING, A. P. See MISTILIS, S. P. SLATER, ELIOT M. See TRACHTENBERG, HOWARD A. SLATER, ROGER A., PINEDA, ANSELMO, and PORTER, ROBERT W.: Intradural herniation of lumbar intervertebral discs (ab), 85: 1000, 1965

ROBERT W.: Intradural hernation of lumbar intervertebral discs (ab), 85: 1000, 1995
SLATTERY, JOHN. See ROUSSELOT, LOUIS M.
SLOAN, ROBERT F., BRUMMETT, STANLEY W., WESTOVER, JOSEPH L., RICKETTS, ROBERT M., and
ASHLEY, FRANKLIN L.: Recent cinefluorographic
advances in palatopharyngeal roentgenography (ab), 85:
3201 1965.

advances in palatopharyngeal roentgenography (ab), 8 380, 1965
SLOANE, JACK ALLEN. See HARROW, BENEDICT R. SLUIS-CREMER, G. K. See OOSTHUIZEN, S. F. SMALLPOX

complications and sequels
—bone lesions due to smallpox (ab), R. Eeckels et al, 85: 593,

SMELLIE, JEAN M., HODSON, C. J., EDWARDS, DAVID, and NORMAND, I. C. S.: Clinical and radiological features of urinary infection in childhood (ab), 85: 396,

1965
—See DENT, C. E.
SMITH, A. H. See ROSE, G. ALAN
SMITH, CHARLES J., CAVA, JOSE M., and MEYER,
JOSEPH EUGENE: Lymphovenography in pelvic
cancer (ab) 85; 590, 1965
SMITH, J. CHANDLER, and BOLANDE, ROBERT P.:
Badiation and drug induced by almization of the stomach

Radiation and drug induced hyalinization of the stomach iabl, 85: 1161, 1965

SMITH, JAMES C., TAYLOR, HENRY L., MORRIS, DALE D., and HENDRICKS, JEAN: Further studies of x-ray conditioned saccharin aversion during postexposure period iabl, 85: 1162, 1965

SMITH, ROGER F. See SZILAGYI, D. EMERICK SMOAK, WILLIAM M., III. See VIAMONTE, MANUEL Jr. SNODGRASS, SAMUEL R. See OVERTON, MARVIN C., III. SODERWALL, A. L. See SAHINEN, F. M. SODIUM

diatrizoate. See Iodine and Iodine Compounds metabolism

netationism - echanges in electrolyte balance in gastrointestinal syndrome (ab), Z. Zsebôk and Gy. Petranyi, Jr., 85: 204, 1965 - protective action of AET upon sodium and water balance in a so-called gastrointestinal radiation syndrome (ab), Zoltan B. Zsebôk and Gyöző Petrányi, Jr., 85: 203, 1965

radioactive. See Radiosodium SÖDERLUND, S. See EKENGREN, KRISTINA RUNE. See BERONIUS, PER SÖREMARK, SOFT TISSUES

culation of absorbed dose in soft-tissue cavities in bon tradiated by x-rays (ab). J. L. Howarth, 85: 804, 1965 roentgenography

pentgenography
-roentgen examination of soft tissues of pelvis (ab), Charles
D. Noonan. 85: 599, 1965
-soft-tissue radiography of extremities in neuromuscular
disease with histological correlations (ab), Giovanni Di
Chiro and Karin B. Nelson, 85: 794, 1965

tumors
—clinicostatistical report on 172 cases of sarcoma of soft
tissue (ab). R. Miceli 85: 402, 1965
—treatment of sarcomas of soft tissue by ionizing radiation:
mdications and results (ab). M. Corte-Real, 85: 401, 1965
SOLO-BILOPTIN. See Bile Ducts, roentgenography
SOMMER, LEONARD S. See VIAMONTE, MANUEL, Jr.
SONDHEIMER, FRED K., and STEINBERG, ISRAEL:
Gastrointestinal manifestations of abdominal aortic
aneurysms (ab), 85: 382, 1965

Gastronestrian manuscations of abdominal actric about the solution of the esophagus in childhood (ab), 85: 996, 1965
SOUTHERN MEDICAL ASSOCIATION

-radiology refresher courses, postgraduate instruction. Southern Medical Association, 85: 570, 1965

See also Brain, blood supply: Esophagus, spasm intracranial aneurysm rupture, vasospasm, and infarction (ab), Stuart A. Schneck and Irvin I. Kricheff, 85: 576, 1965

SPECKMAN, THOMAS W., and NORRIS, WILLIAM P.: The age-dependence of strontium retention in rats and mice (ab), 85: 405, 1965

scent cinefluorographic advances in palatopharyngeal roentgenography (ab), Robert F. Sloan et al, 85: 380,

SPENCER, FRANK C. See BRYANT, LESTER R. SPENCER, HERTA, ROSOFF, BETTY, FELDSTEIN, ARTHUR, COHN, STANTON H., and GUSMANO, ERNEST: Metabolism of zinc-65 in man (ab), 85: 1160,

SPENCER, R.: Scintiscanning in space-occupying lesions of the skull (ab), 85: 806, 1965 SPHENOID SINUS

-mucoceles of maxillary and sphenoid sinuses, David L. Bloom, 85: 1103, 1965
SPHINCTER MUSCLES

incompetence of sphincter of Oddi in the newborn, Richard E. Frates, 85: 875, 1965
 SPINA BIFIDA Granden

-craniolacunia (ab), Charles E, Shopfner et al, 85: 984, 1965 SPINAL CANAL. See Spine SPINAL CANAL ROENTGENOGRAPHY

See also Meninges, Spinal Cord, Spine cervical spondylotic myelopathy studied by air myelography (ab), Paul H. Crandall and William N. Hanafee, 85: 783, 1965

experimental evaluation of Pantopaque and other recently developed myelographic contrast media, Robert L. Fisher, 85: 537, 1965

85: 537, 1965
—myelography with an absorbable agent (ab), J. Paul Harvey, Jr., and Robert H. Freiberger, 85: 1146, 1965
—problems of radiation hygiene in isotope myeloradiometry (ab), N. I. Nikberg and V. Kh. Krenkel, 85: 605, 1965
—retroperitoneal and mediastinal chemodectoma: report of case and review of literature (ab), Seymour Haber, 85: 383, 1965

of transverse arachnoidal membrane within inter pedincular cistern in passage of Pantopaque into cranial cavity, Bernard S. Epstein, 85: 914, 1965 — telecine technic applied to neuroradiology (ab), G. du Boulay SPINAL CORD

See also Meninges
-caudal end of spinal cord. 1. Normal pneumographic
features (ab), M. Roth, 85: 1147, 1965

compression—backward luxation of atlas: report of case (ab), A. Verjaal and N. C. Harder, 85: 1136, 1965

cervical spondylotic myelopathy studied by air myelography (ab). Paul H. Crandall and William N. Hanafee, 85: 783,

inflammation. See Myelitis roentgenography

ntrast radiography of spinal cord (ab), Giovanni Di Chiro and Robert L. Fisher, 85: 395, 1965

composite filter technic and special patient jig for treatment of whole brain and spinal cord (ab), D. O. Bottrill et al, 85: 1004, 1965 SPINE

See also Atlas and Axis; Backache; Sacrococcygeal Region; Sacrum; Spinal Cord growth and development of vertebral body in presence and

absence of normal stress (ab), Charles A. Gooding and E. B. D. Neuhauser, 85: 1000, 1965 influence of weight bearing on lumbar spine: radiological study (ab), L. M. Jonek, 85: 394, 1965

study (ab), L. M. Jonek, 85: 394, 1965
abnormalities
—incidence of acquired and congenital fusions in cervical spine
(ab), Michael W. Brown et al, 85: 595, 1965
—spondyloepiphysial dysplasia tarda: 4 cases in childhood
and adolescence, and some considerations regarding
platyspondyly, Nathan Poker, Nathaniel Finby, and
Reginald M. Archibald, 85: 474, 1965
—hyperostotic spondylarthrosis (ab), Alici Finmicelli and
—hyperostotic spondylarthrosis (ab), Alici Finmicelli and

nkylosis; arthritis

-hyperostotic spondylarthrosis (ab), Aligi Fiumicelli and
Renzo di Renzo, 85: 1000, 1965

-pulmonary function in ankylosing spondylitis (ab), John M.

Miller and Brian J. Sproule, 85: 177, 1965 diseases

niseases

-radiologic aspects of nontuberculous spondylitis of adult
(ab), A. Djian and A. Van de Berg, 85: 594, 1965

-relation between osteoporosis and aortic calefication (ab),
J. B. Anderson et al, 85: 594, 1965

-role of ligamenta flava in pathogenesis of myelopathy in
cervical spondylosis (ab), H. F. Stoltmann and W. Black-

fractures

actures
"hangman's fracture" of cervical spine (with partic dar reference to automobile accidents) (ab), Richard C. Schneider et al. 85: 985, 1965
-spinal fractures in tetanus, Stanley P. Bohrer, 85: 1111,

1965 -stress fracture of spinous process (ab), John R. Venable et al, 85 -

intervertebral disks

intervertebral disks
 intervertebral disk calcification in childhood: distinct clinical syndrome (ab), Edward J. Eyring et al. 85: 187, 1965
 intradural herniation of lumbar intervertebral disks (ab), Roger A. Stater et al. 85: 1000, 1965
 place of diskography in radiology as based on 2,320 cases (ab), S. B. Feinberg, 85: 595, 1965
 thoracic disk protrusions (ab), J. Grafton Love and Victor G. Schorn, 85: 1000, 1965
 tumors of spine and their relationship to intervertebral disk room temporable anatomic correlation (ab), Alex Norman

tumors of spine and their relationship to intervertebral disk; roentsgenographic-anatomic correlation (ab), Alex Norman and Catherine P. Kambolis, 85: 596, 1965
 roentgenography. See also other subheads under Spine—sagittal diameter of lumbar spinal canal in children and adults, Vincent C. Hinck, Carl E. Hopkins, and William M. Clark, 85: 329, 1965
 tumors. See also Spinal Cord, tumors—retroperitoneal and mediastinal chemodectoma; report of case and review of literature (ab), Seymour Haber, 85: 383, 1965

383, 1965

585, 1995 imors of spine and their relationship to intervertebral disk: roentgenographic anatomic correlation (ab), Alex Norman and Catherine P. Kambolis, 85: 596, 1995 F. HARLAN J. See GREENBERG, S. DONALD

SPLEEN also Hemopoietic System

See and remove effects of irradiation on mouse bone marrow (ab),
N. B. Kurnick and Naime Nokay, 85: 203, 1965

hypertrophy

congestive splenomegaly in lymphosarcoma of spleen;
pathological and radiological findings (ab), A. G. Riddell et al, 85: 1149, 1965

tumore congestive splenomegaly in lymphosarcoma of spleen; ical and radiological findings (ab), A. G. Riddell pathological

et al. 85: 1149, 1965

- hamartoma of spicen: angiographic observations

- hamartoma and Herbert L. Abrams, 85: 399, 1965

SPLENOMEGALY. See Spicen, hypertrophy

SPLENOPORTOGRAPHY. See Portal Vein

SPLIT-DO SPONDY SPONDY

Vol. 85

SPRATT. -MER tri 60 SPRUE

SPROUI STAME! STAPH! infecti -prog

-radi

STEAT See d STEIN,

STEIN, STEIN

STEIN

STEIN

STEN STEP

STER

STER STER STER STER STEV

STO

STO

bl

ca

SPLIT-DOSE THERAPY. See Radiotherapy SPONDYLITIS. See Spine, diseases SPONDYLOSIS. See Spine, diseases SPONGE KIDNEY. See Kidneys, cysts

SPORTS injury to throwing arm: study of traumatic changes in elbow joints of boy baseball players (ab), Joel E. Adams, 85:

SPRATT, JOHN S., Jr.: The rates of growth of skeletal sar-comas (ab), 85: 704, 1965
 MERCADO, RAUL, Jr., PEREZ-MESA, CARLOS, and HAUN, COSMO L.: Carcinoma of the maxillary antimit: coordinated roentgen surgical therapy (ab), 85: 600, 1965

SPRUE

-radiodiagnostic problems in malabsorption (ab), D. E.
Paterson et al. 85: 1144, 1965

SPROULE, BRIAN J. See MILLER, JOHN M.
STAMEY, THOMAS A. See DAVIDSON, ALAN J.
STAPHYLOCOCCI

infections
—prognosis of acute hematogenous osteomyelitis and its complications during early infancy after advent of antibiotics (ab), Bo Lindblad et al, 85: 792, 1965
-radiologic aspects of nontuberculous spondylitis of adult (ab), A. Djian and A. Van de Berg, 85: 594, 1965

STEATORRHEA

STEATORRHEA
See also Malabsorption Syndrome: Sprue
idiopathic hypoproteinemia and steatorrhea: lymphographic
demonstration of lymphointestinal fistula (ab), J. P.
Desprez-Curely et al, 85: 790, 1965
STEIN, GEORGE N., TACHDJIAN, VAHAKEN O., MAGID,
NORMAN, and VILARDELL, FRANCISCO: Balloon
radioantography in differentiation of benign and maligmant gastric lesions (ab), 85: 1159, 1965

nant gistric tesions (ad), 65: 1139, 1965
ee BAUM, STANLEY
N, HARRY L., HAGSTROM, JACK W. C., EHLERS,
KATHRYN H., and STEINBERG, ISRAEL:
Anomalous
origin of the left coronary artery from the pulmonary
artery: angiographic and pathologic study of a case (ab),
85: 992, 1965

Ses STEINBERG, ISRAEL
STEIN, JUSTIN J. See KAUFMAN, JOSEPH J.
STEIN, RELL. See MURRAY, M. JOHN
STEIN RESEARCH CENTER, JEFFERSON MEDICAL COL-LEGE, edicated, 85

1965 STEINBACH MARIANNE, and YOUNG, DUANE A.: Evolution of skeletal lesions in pseudohypoparathyroidism, 85: 670,

STEINBERG, ISRAEL, and STEIN, HARRY L.: Intraveno angiocardiography, abdominal aortography, and peripheral arteriography with single arm pressure injection (ab), 85: 180, 1965

See POKER, NATHAN
See SONDHEIMER, FRED K.

See SONDHEIMER, FRED K.

See STEIN, HARRY L.,

STEIN, HARRY L., and GOLDBERG, HENRY P.: Aneurysms complicating the postoperative course of coarctation of the aorta: report of 3 cases (ab), 85: 991, 1965

STEINER, R. E. See POCOCK, W. A.

STEININGER, WILBUR J. See WOODRUFF, C. EUGENE

STENER, BERTIL, and STENER, INGEMAR: Two types of fracture of the radial sesamoid bone of the metacarpophalangeal joint of the thumb (ab), 85: 795, 1965

STENER, INGEMAR. See NYSTRÖM, C.

See STENER, BERTIL

STEPHEN, D. D. See MISTILIS, S. P.

STEREOKINERADIOGRAPHY. See Cineroentgenography; Roentgen Eays, stereoscopy

Roentgen Rays, steroscopy
STEREOSCOPY. See Roentgen Rays, steroscopy
STERILITY. See Fertility: Radiobiology
STERN, W. Z. See MADONICK, M. J.
STERN, W. Z. See MADONICK, M. J.
STERNS, L. P. See BILGUTAY, AYDIN M.
STERNUM

multiple manubrial ossification centers in mongolism (ab),
John W. Horns and Bernard J. O'Loughlin, 85: 1000, 1965
STEVENS, EDWARD, and TEMPLETON, ARCH W: Traumatic nonpenetrating lung contusion, 85: 247, 1965
STEVENSON, JAMES E. See KANJUH, VLADIMIR I.
STEWART, JAMES R. See BEABOUT, JOHN W.
STEWART, R. H., PRIBNOW, J. F., and SILVERMAN, M. S.;
Effect of chronic gamma radiation on airborne infection of

mice with Listeria monocytogenes (ab), 85: 810, 1965
STOLTMANN, H. F., and BLACKWOOD, W.: Role of fig
amenta flava in pathogenesis of myelopathy in cervical
spondylosis (ab), 85: 186, 1965
STOMACE STOMACH

See also Digestive System: Gastrointestinal System, Py lorus

bnormalities. See Stomach, cardioesophageal junction blood supply

usuppy strointestinal angina: discussion with report of case (ab), Charles D. Hafner et al, 85; 184, 1965

cancer balloom radioautography in differentiation of benign and malignant gastric lesions (ab), George N. Stein et al, 85: 1159,1965

cardioesophageal junction. See also Stomach, cardiospasm—esophageal reflux (ab), Gerald M. Vandervelde and Harley C. Carlson, 85: 391, 1965.
—gastroesophageal reflux after partial gastrectomy (ab), Colin W. O. Windsor, 85: 391, 1965.
—radiation treatment in reflux esophagitis (ab), Ralph D. Eichhorn, 85: 601, 1965.

cardiospasm
— achalasia of esophagus in childhood (ab), Oliver A. Sorsdah
and Brit B. Gay, Jr., 85: 996, 1965

intramural gas in hollow viscera (ab), J. Colquhoun, 85: 797, 1965 effects of drugs on

radiation and drug induced hyalinization of stomach (ab), J. Chandler Smith and Robert P. Bolande, 85: 1161, 1965 effects of irradiation

radiation and drug-induced hyalinization of stomach (ab), J. Chandler Smith and Robert P. Bolande, **85**: 1161, 1965

See other subheads under Stomach

importance of preoperative scout films; associated with foreign bodies (ab), Edward Newell Burke et al, 85: 591, 1965 obstruction

pathology

pathology
-radiologic changes associated with gastric hypothermia,
James A. O'Neill, Jr., Eugene C. Klatte, H. William
Scott, Jr., and Harrison J. Shull, 85: 65, 1965
regurgitation from. See Stomach, cardioesophageal junction
reentgenography. See also other subheads under Stomach
-x-ray examination of the stomach, 2d ed (bk rev), Frederic
E. Templeton, 85: 572, 1965
surgery, See also Peptic Ulcer; other subheads under Stomach

surgery. mach

gastric reservoir construction for severe disability after sub-total gastrectomy (ab), Walter Lawrence, Jr., et al, 85: 591, 1965

591, 1965
—gastroesophageal reflux after partial gastrectomy (ab),
Colin W.O. Windsor, 85: 391, 1965
—intestinal motility in man. II. Behavior of small intestine following partial gastrectomy with particular reference to dumping syndrome (ab), Anders G. Wangel and
Donald J. Deller, 85: 789, 1965
—retrograde jejunogastric intussusception (ab), Walter P.
Reyelt, Jr., and Arthur A. Anderson, 85: 592, 1965
tumors

mors
balloon radioautography in differentiation of benign and
malignant gastric lesions (ab), George N. Stein et al, 85:
1159, 1965

1159, 1965

-benign tumors of stomach (ab), Seymour Fiske Ochsuer and George P. Janetos, 85: 1143, 1965
-eosinophilic granuloma of upper GI tract; report of 3 cases (ab), Aaron Schwinger, 85: 789, 1965
leer. See Peptic Ulcer

—technic of percutaneous splenoportography directed to the hilus (ab), G. Esser, 85: 387, 1965

STRANDH, J., BENGTSSON, A., and JORULF, H. Rates of

ortake of calcium and phosphorus in microscopic bone structures (ab), 85: 804, 1965
STRANDJORD, NELS. See HARPER, PAUL V. STRASSER, EDWARD S. See HAFNER, CHARLES D. STRESS

STRESS
—growth and development of vertebral body in presence and absence of normal stress (ab), Charles A. Gooding and E. B. D. Nenhanser, 85: 1000, 1965 fractures. See Ribs, Spine STRINGER, R. E. See ABRAHAMS, E. W. STRONTIUM

metabolism
—strontium calcium interrelationships in growing rat (ab),
Ray F Palmer and Roy C Thompson, 85: 199, 1965
radioactive. See Radiostrontium
STUART, CHARLES: Felevision fluoroscopy in cerebral
pneumography, 85: 927, 1965
STULBERG H. JEROME, and BIERMAN, HOWARD R.:

Selective hepatic arteriography: normal anatomy, anatomic variations, and pathological conditions, 85: 46,

SUBARACHNOID CISTERNS. See Cisterns, subarachnoid SUBCLAVIAN STEAL. See Arteries, subclavian SUGANO, H. See NAIR, V. SUGG, WINFRED L., ROPER, CHARLES L., and CARLSSON, ERIK: Incarcerated Bochdalek hernias in the substitution of the control of the

UR, radioactive. See Radiosulfur UR, radioactive. See Radiosulfur IVAN, M. F., and THOMPSON, R. C.: The influence of fractionated x irradiation on the intestine of rats protected by cysteine and partial body shielding (ab), 85: SULFUR, radioactive.

SUPERIOR MEDIASTINAL SYNDROME. See Mediastinum,

tumors
SUPRARENAL CLANDS. See Adrenals
SUTINEN, SEPPO, CHRISTOFORIDIS, ANTHIMOS J.,
KLUGH, GEORGE A., and PRATT, PHILIP C.:
Roentgenologic criteria for the recognition of nonsymptomatic pulmonary emphysema: correlation between roentgenologic findings and pulmonary pathology (ab),
85: 784, 1965

SUTTON, MAURICE: Superior mediastinal obstruction treated with demecolcine followed by radiotherapy (ab), 85: 1151, 1965

St. 1151, 1965.
SUTURE, LAMBDOID. See Cranium
SVARE, GERHART T. See POTTS, D. GORDON
SWAN, H. J. C. See BROWN, RICHARD
SWARM, RICHARD L., CORREA, JOSE N., ANDREWS, J.
ROBERT, and MILLER, ELIZA: Morphologic demonstration of recurrent tumor following x irradiation: histologic study of irradiated murine chondrosarcoma transplants (ab), 85: 204, 1965
SWEARINGEN, ALFRED G.: Thermography: report of the radiographic and thermographic examinations of the breasts of 100 patients, 85: 818, 1965
SYNOVIAL MEMBRANE inflammation

TNOVIAL MEMBRANE inflammation
—arthrography and arteriography in pigmented villonodular synovitis of knee (ab), Burton I. Rein et al, 85: 596, 1965—diffuse pigmented villonodular synovitis of hip joint: review of literature and report of 4 cases (ab), Stanley M. K. Chung and Joseph M. Janes, 85: 1146, 1965

-malignant synovioma (ab), Milton Raben et al, 85: 800,

SYPHILIS. See Lungs, syphilis
SZILAGYI, D. EMERICK, SMITH, ROGER F., and WHITNEY, DOUGLASS G.: Durability of aorto-iliac endartericctomy: a roentgenologic and pathologic study of
late recurrence (ab), 85: 386, 1965

T-1824. See Blood, volume TABES DORSALIS

-pseudotuberculous pulmonary syphilis: report of case with radiologic evidence of healing (ab), R. Voog et al, 85:

784, 1965
TACHDJIAN, VAHAKEN O. See STEIN, GEORGE N. TAENZER, V. See WENDE, S. TANNIC ACID

—tannic acid and barium enema, Murray L. Janower, Laurence L. Robbins, Frederick S. Tomchik, and Walther T. Weylman, 85: 887, 1965

TAPLIN, GEORGE V., and POE, NORMAN D.: A dual lung-scanning technic for evaluation of pulmonary function, 85: 365, 1965

TASKINEN, PRINTELL

88: 365, 1965
TASKINEN, PENTTI J. See HOLSTI, LARS R.
TATUM, RONALD W. See MISSAL, MORRIS E.
TAUSSIG-BLALOCK ANASTOMOSIS. See Arteries, sub-

clavian
TAYLOR. See SAUVEGRAIN, J.
TAYLOR, HENRY L. See SMITH, JAMES C.
TAYLOR, E. STEWART, HOLMES, JOSEPH H., THOMPSON, HORACE E., and GOTTESFELD, KENNETH R.:
Ultrasound diagnostic techniques in obstetrics and gynecology (ab), 85: 395, 1965
TECHNETIUM, radioactive. See Radiotechnetium
TEETH

-hypophosphatasia: metabolic disease with important dental manifestations (ab), G. MacL. Ritchie, 85: 579, 1965

yscephalia mandibulo-oculo-facialis (Hallermann-Streiff syndrome) (ab), D. Hoefnagel and K. Benirschke, 85: 984, 1965

TELECINE. See Television TELEVISION

TELECINE. See Television
TELEVISION

-contrast and detail perception in television and ciné systems for medical fluoroscopy (ab), E. W. Webster and R. Wipfelder, 85: 192, 1965

-telecine technic applied to neuroradiology (ab), G. du Boulay and E. M. Monson, 85: 400, 1965

-television fluoroscopy in cerebral pneumography, Charles Stuart, 85: 927, 1965

TEMPE, J. D. See WARTER, J.
TEMPERATURE. See Cold; Heat; Thermography
TEMPLETON, ARCH W., LODWICK, GWILYM S., and TURNER, ARCH H. Jr.: RADIATE: a new concept for computer coding, transmitting, storing, and retrieving radiological data, 85: 811, 1965

-see BROWN, MICHAEL W.

-mcALISTER, WILLIAM H., and ZIM, IRWIN D.: Standardization of terminology and evaluation of osseous relationships in congenitally abnormal feet (ab), 85: 1001, 1965

——See STEVENS, EDWARD
——See WILSON, WILLIAM J.
——See ZIM, IRWIN D.
TEMPORAL BONE

TEMPORAL DON'D
tumors
—epidermoid tumor of skull and brain, David L. Bloom and
Mary F. Keohane, 85: 485, 1965
TEMPOROMANDIBULAR JOINT. See Jaws
TENG, PAUL. See PAPATHEODOROU, CHRISTOS A.
TERATOMA. See Tumors, teratoma
TERNAMIAN, J. See GALY, P.
TESTES

also Gonads; Radiations, Injurious Effects; Radio

fects of ionizing radiations on endocrine cells. IV. In-creased production of 17α, 20α,-dihydroxyprogesterone in

rat testes after irradiation (ab), David L. Berliner and Le

Grande C. Ellis, **85**: 1012, 1965
-effects of x-irradiation on male fertility in guinea pig: semen production after x-irradiation of testis, body, or head (ab), M. Freund and F. J. Borrelli, **85**: 809, 1965

tumors

imors
retroperitoneal germinomas (seminomas) without evidence
of testicular involvement (ab), M. R. Abell et al, 85;
1148, 1965
testicular seminoma: review of 179 patients treated over
50-year period (ab), Leonardo S. J. Martin et al, 85;
1005, 1965
ANIIS

complications and sequels

TETANUS

-spinal fractures in tetanus, Stanley P. Bohrer, 85: 1111,

THAYER, MILDRED N. See HARDING, CLIFFORD V. THERMOGRAPHY

—application of thermography to problem of placental local

ization: preliminary communication (ab), Raymond J Young, 85: 189, 1965 ization:

Patton: preliminary communication (ab), Raymond J. Young, 85: 189, 1965
—thermography in diagnosis of cerebrovascular disease, Ernest H. Wood, 85: 270, 1965
—thermography: report of radiographic and thermographic examinations of breasts of 100 patients, Alfred G. Swearingen, 85: 818, 1965

THERON, C. P. See OOSTHUIZEN, S. F.
THOMAS, L. M. See GURDJIAN, E. STEPHENS
THOMPSON, G. A. See COBB, G. M.
THOMPSON, HORACE E. See TAYLOR, E. STEWART
THOMPSON, I. ROBERT, and LANGER, SEYMOUR:
Bosinophilic granuloma of the lungs: roentgenologic and pathologic features (ab), 85: 382, 1965

THOMPSON, L. K., III, and ANLYAN, WILLIAM G.: Angiographic evaluation of swollen limbs (ab), 85: 187, 1965
THOMPSON, C. See PALMER, RAY F.
—See SULLIVAN, M. F.

THORACIC DUCT

THORACIC DUCT

—collateral lymphaticovenous communications after experimental obstruction of thoracic duct, Toshiniko Neyazaki, Edward A. Kupic, William H. Marshall, and Herbert L. Abrams, 85: 423, 1965

—retrograde lymphography of thoracic duct (ab), V. Brzek et al, 85: 995, 1965

THORACOTOMY. See Thorax, surgery
THORAEUS, R.: Normalization of clinical gamma radiation exposure measurements in Sweden (ab), 85: 1006, 1965
THORAX
See also Bronchi: Heart: Lungar Madiasticum. There

See also Bronchi; Heart; Lungs; Mediastinum; Pleura; Ribs; etc.

blood supply
—intrathoracic hyperpressure in neuroradiology: results in
(1) cerebral pan-angiography and (2) arteriography of
thoracocervical region (ab), José Zaclis et al, 85: 576, 1965

cancer
-intrathoracic squamous-cell carcinoma, central and peripheral (ab), C. Eugene Woodruff and Wilbur J. Steininger, 85: 1138, 1965
roentgenography
-transverse axial tomography (bk rev), R. F. Farr, A. C. H. Scott, R. Ollerenshaw, and G. J. H. Everard, 85: 162, 1995.

1965

surgery
—results of radiation therapy in patients with inoperable car-cinoma of lung whose status was established at explora-tory thoracotomy (ab), Ruth J. Guttmann, 85: 800, 1965

THORIUM

dioxide
—improved method for experimental angiography (ab), Jan
Ekholm et al, 85: 388, 1965
THORLEY, L. G., FIGIEL, L. S., FIGIEL, S. J., and RUSH,
D. K.: Roentgenographic findings in accidental ligation
of the hepatic artery: a case report, 85: 56, 1965
THORNE, N. A. See BUCKLEY, C. E., III.
THOROTRAST. See Thorium dioxide
THROMBOSIS
See also Embolism

e also Embolism

basilar

ashiar r-radiology of basilar thrombosis, M. M. Schechter and L. H. Zingesser, 85: 23, 1965

rountgenographic signs of thrombosis of superior vena cava and tributaries in neoplastic disease (ab), David B. Hayt, 85: 787, 1965

superior mesenteric arteriography in experimental mesen-teric venous thrombosis: Marvin J. Friedenberg, Hiram C. Polk, Jr., William H. McAlister and Stephen J. Scho-chat, 85: 38, 1965

chat, 85: 08, 1996 pulmonary
—primary mesenchymoma of pulmonary artery: radiological features (ab), J. Munk et al, 85: 993, 1965 THUMB. See Fingers and Toes THURN, P. See BELTZ, L.

-comparison of tritiated thymidine, tritiated water, and co-balt-60 gamma rays in inducing chromosomal aberrations (ab), William C. Dewey et al, 85: 1011, 1965

THYMID

Vol. 85

(ab -granu Flie granu ing Fli

THYMUS —pneur Ha THYROI

See a cancer —persis Be thyro M 85 -tume

disease —etiol effects function—acut in ar effec

po D hypert th B -risir

hypot t physic scann -tec tumo:

—thy THYRO THYR

--pr TIAMS 19

> path -lis

TIND TISSI S

TOBI TOM TOM TOM

THYMIDINE—cont.

—effects of x-irradiation on injury reaction in lens epithelium (ab), Clifford V. Harding et al, 85: 1011, 1965

—granulocytopoiesis. I. Senescence and random loss of neutrophilic granulocytes in human beings (ab), T. M. Fliedner et al, 85: 200, 1965

—granulocytopoiesis. II. Emergence and pattern of labeling of neutrophilic granulocytes in humans (ab), T. M. Fliedner et al, 85: 200, 1965

—pneumomediastinography and the thymus (ab), W. S. C. Hare, 85: 176, 1965

See also Goiter; Parathyroid

cancer cancer persistent chromosomal aberrations following radioiodine therapy (ab), Mohammed M. Nofal and William H. Beierwaltes, 85: 603, 1965.
 chtyroid scintigram. II. The cold nodule, J. Martin Miller, Joel I. Hamburger, and Raymond C. Mellinger, 85: 702, 1965.
 ctumors of thyroid and parathyroid glands (ab), Robertson Ward et al, 85: 580, 1965.

diseases

secases -etiology of "sideropenic" web (ab), L. M. Blendis et al, 85: 985, 1965

effects of irradiation. See other subheads under Thyroid

function tests

unction tests

-acute plasma disappearance time of radioactive thyroxine in patients with cancer (ab), D. Joseph Pastorelle, Jr., and Arthur Turk, 85: 1158, 1965

-effect of new orally administered cholecystographic compound on 173-tri-iodothyronine red-cell-uptake test of thyroid function (ab), Fred C. Cristofori and Garfield G. Duncan, 85: 198, 1965

veerthyroidism

hyperthyroidism

yperthyroidism – persistent chromosomal aberrations following radioiodine therapy (ab), Mohammed M. Nofal and William H. Beierwaltes, 85: 603, 1965 – rising incidence of hypothyroidism after radioactive-iodine therapy in thyrotoxicosis (ab), John T. Dunn and Earle M. Chapman, 85: 404, 1965 – treatment of hyperthyroidism in children: analysis of 45 patients (ab), M. D. Kogut et al, 85: 1008, 1965

hypothyroidism

hypothyroidism

-rising incidence of hypothyroidism after radioactive-iodine
therapy in thyrotoxicosis (ab), John T. Dunn, and Earle
M. Chapman, 85: 404, 1965
physiology. See Thyroid, function tests
scanning. See also other subheads under Thyroid

-technetium 99m as scanning agent, P. V. Harper, K. A.
Lathrop, F. Jiminez, R. Fink, and A. Gottschalk, 85:
101, 1965

tumors

mors -statistical evaluation of 1<sup>125</sup> vs 1<sup>121</sup> for scanning cold lesions (ab), Raymond L. Libby, 85: 603, 1965 -thyroid scintigram. II. The cold nodule, J. Martin Miller, Joel I. Hamburger, and Raymond C. Mellinger, 85: 702, 1965

THYRONINE

prognostic value of high 10-minute I<sup>131</sup> uptake in non-toxic goiters (ab), H. Patrick Higgins et al, **85**: 197, 1965 THYROXINE

MIKUAINE

 acute plasma disappearane time of radioactive thyroxine in patients with cancer (ab), D. Joseph Pastorelle, Jr., and Arthur Turk, 85: 1158, 1965
 prognostic value of high-10-minute 1<sup>131</sup> uptake in non-toxic goiters (ab), H. Patrick Higgins et al, 85: 197, 1965

 IAMSIC, T. See KOGUT, M. D.

cases (ab), A. Langenskiöld and Erik B. Riska, 85: 188, fractures

march fractures of tibia (ab), L. Garreta et al, 85: 796, 1965

nathology. See Tibia, wounds and injuries

pathology. See Tibia, wounds and injuries roentgenography
—linea m. solei (linea poplitea tibiae) in roentgenogram (ab),
—V. M. Schneider, 85: 188, 1965
wounds and injuries
—localized post-traumatic fibrous osteopathy of tibia (localized post-traumatic pagetoid reshaping of J. A. Lièvre)
(ab), R. P. Delahaye et al, 85: 795, 1965
TIMME, A. H. See KRIGE, H.
TIMMES, J. J. See MAY, ROMULUS L.
TINDALL, GÉORGE T. See GOREE, JOHN A.
TISSUE
See also Radiobiology: Soft Tissue

SUE
See also Radiobiology; Soft Tissue
-electron-beam treatment planning in inhomogeneous tissue,
J. S. Laughlin, A. Lundy, R. Phillips, F. Chu, and A.
Sattar, 85: 524, 1965

TOBIAS, CORNELIUS A. See LAWRENCE, JOHN H. TOMCHIK, FREDERICK S. See JANOWER, MURRAY L. TOMOGRAPHY. See Body-Section Roentgenography TOMORY, EMILIA. See ARVAY, ATTILA

cancer

—place of radiotherapy in treatment of tumors of base of tongue (ab), Vera M. Dalley, 85: 797, 1965

TONSILS

cancer
 delayed effects of radiation on human central nervous system: "early" and "late" delayed reactions (following tonsillectomy) (ab), Peter W. Lampert and Richard L. Davis, 85: 201, 1965
 effect of unplanned interruption of radiation therapy: retrospective survey (ab), Lars R. Holsti and Pentti J. Taskinen, 85: 195, 1965
 TOROK, E. E. See BREWER, J. I.
 TORULOSIS
 case of meningeal torulosis: terminal phase of Hodekin's

-case of meningeal torulosis: terminal phase of Hodgkin's disease (ab), J. Bonnard et al, 85: 380, 1965

pranulocyte reserve following radiation therapy as studied by response to bacterial endotoxin (ab), Samuel Hellman and Martin E. Fink, 85: 1161, 1965 -hematopoietic recovery in endotoxin-treated lethally x-irradiated BUB mice (ab), Alice M. Savage, 85: 203, 1065.

TRACHEA

some sagittal measurements of neck in normal adults (ab), C. L. Oon, 85: 580, 1965 -transtracheal approach to laryngography, Lawrence H.

C. L. Oon, 85: 380, 1903 anstracheal approach to laryngography, Lawrence H. Caplan and Allan Naimark, 85: 439, 1965

hypertrophy
—tracheobronchomegaly (Mounier-Kuhn syndrome) (ab), P.
Rossi et al, 85: 176, 1965

Rossi et al, 35: 176, 1965

-tracheobronchomegaly: report of 5 cases and demonstration of familial occurrence (ab), Robert F. Johnston and Robert A. Green, 85: 783, 1965

perforation. See Trachea, wounds and injuries

physiology
—tracheobronchial collapse during cough, John E. Rayl, 85: roentgenography. See other sabheads under Trachea

wounds and injuries

-tracheobronchial perforation: its diagnosis and treatment,
Martin L. Silbiger and Lois N. Kushner, 85: 242, 1965

TRACHEOMEGALY. See Bronchiectasis; Trachea, hyper-

TRACHTENBERG, HOWARD A., and SLATER, ELIOT M.:
Anesthetists' exposure to radiation during radium implantation procedures (ab), 85: 1161, 1965
TRAIBEL, JORGE. See HILL, WALTER S.
TRANSPLANTATION

See also Kidneys

-past and future of organ transplantation (ed), Thomas E.
Starzl and Thomas L. Marchioro, 85: 369, 1965

TRAPNELL, DAVID H.: Septal lines in pneumoconiosis (ab),

85: 382, 1965
Septal lines in sarcoidosis (ab), 85: 383, 1965
TRAUMA. See organs and regions, as Bronchi; Lungs; Spine;

Trachea; etc.
TRICUSPID VALVE

TRICUSPID VALVE
 —angiocardiographic feature of total anomalous venous return into coronary sinus simulating tricuspid atresia or stenosis (ab), A. Mehrizi et al, 85: 586, 1965
 —congenitally unguarded tricuspid orfice with coexistent pulmonary atresia (ab), Vladimir I. Kanjuh et al, 85: 585, 1965
 —Ebstein's anomaly of tricuspid valve: angiocargiographic considerations (ab), Kent Ellis et al, 85: 585, 1965
 —lead coating on tricuspid valve in dogs (ab), Erik Carlsson and Jack W. Love, 85: 389, 1965
 TRICLEIN. See Radioiodine
 TRITIUM
 —comparison of tritiated thymidine, tritiated water, and co-

-comparison of tritiated thymidine, tritiated water, and co-

comparison of tritiated thymidine, tritiated water, and cobalt-60 gamma rays in inducing chromosomal aberrations (ab), William C. Dewey et al, 85: 1011, 1965
 effects of x-irradiation on injury reaction in lens epithelium (ab), Clifford V. Harding et al, 85: 1011, 1965
 granulocytopoiesis. I. Senescence and random loss of neutrophilic granulocytes in human beings (ab), T. M. Fliedner et al, 85: 200, 1965
 granulocytopoiesis. II. Emergence and pattern of labeling of neutrophilic granulocytes in humans (ab), T. M. Fliedner et al, 85: 200, 1965
 TROPHOBLASTS. See Cancer, chorionic
 TROUT, E. DALE, and KELLEY, JOHN P.: Scattered radiation in a phantom from diagnostic quality radiation, 85: 546, 1965
 TRUNCUS ARTERIOSUS. See Heart, abnormalities

TRUNCUS ARTERIOSUS. See Heart, abnormalities
TUBERCULOSIS. See Bones; Tuberculosis, Pulmonary
TUBERCULOSIS, PULMONARY

malignant pulmonary cavity (ab), M. Rutishauser, 85: 1137, 1965

-pseudotuberculous pulmonary syphilis: report of case with radiologic evidence of healing (ab), R. Voog et al, 85: 784, 1965

- tuberculous bronchobiliary fistula: report of unusual case with demonstration of fistulous tract by percutaneous transhepatic cholangiography (ab), Robert J. Flemma and William G. Anlyan, 85: 997, 1965

TUCKER, D. H. See BUCKLEY, C. E., III.

See also Cancer; Sarcoma; under organs and regions adamantinoma. See Tumors, ameloblastoma ameloblastoma

-problems of roentgen diagnosis of ameloblastoma in West Africa (ab), H. Braband, 85: 1135, 1965

## TUMORS-cout

multiple hemangiomas in infant with cardiac hypertrophy: postmortem angiographic demonstration of arteriovenou listulae (ab), Amiel G. Cooper and Robert P. Bolande 85: 786, 1965

stemic cystic angiomatosis (ab), Stanley G. Seckler et al, 85: 594, 1965

85: 594, 1965

-thermography in diagnosis of cerebrovascular disease, Ernest
H. Wood, 85: 270, 1965

-treatment of angiomas in children (ab), J. Fayos and I.
Lampe, 85: 797, 1965

-treatment of hemangiomas with strontium 90 (ab), Wolfgang Schmidt, 85: 199, 1965

astroblastoma

(rt0) Lastoma delayed effects of radiation on human central nervous system: "early" and "late" delayed reactions (ab), Peter W. Lampert and Richard L. Davis, 85: 201, 1965

chemodectoma

-retroperitoneal and mediastinal chemodectoma: report of case and review of literature (ab), Seymour Haber, 85: 383, 1965

cholesteatoma —radiology of mastoid disease in infants and children (ab), R. I. Macpherson and J. S. Dunbar, 85: 1135, 1965

evaluation of angiography in diagnosis of suprasellar tumors (ab), Emanuel H. Feiring and Jerome H. Shapiro, 85:

craniopharyngioma. See Pituitary Body, tumors

ependymoblastoma
—composite filter technic and special patient jig for treatment
of whole brain and spinal cord (ab), D. O. Bottrill et al,
85: 1004, 1965

—rates of growth of skeletal sarcomas (ab), John S. Spratt, Jr., 85: 794, 1965 fibroleiomyoma. See Tumors, myoma

fibroma

hbroma—fibrous cortical defect and nonosseous fibroma of bone (ab), John T. Phelan, 85: 186, 1965— primary connective tissue tumors of diaphragm (ab), P. Santy et al, 85: 786, 1965 glioblastoma. See Brain, tumors plioma. See Brain, tumors

hamartoma

hamartoma

-analysis of 155 solitary lung lesions illustrating the differential diagnosis of mixed tumors of lung (ab), Eric M. Bateson, 85; 785, 1965

-hamartoma of spleen: angiographic observations (ab), Lewis Wexler and Herbert L. Abrams, 85; 399, 1965

-multiple pulmonary fibroleiomyomatous hamartomas: report of case and review of literature (ab), William D. Logan, Ir. et al. 85; 785, 1965

hemangioma. See Tumors, angioma

hepatoma. See Liver cancer

hepatoma. See Liver, cancer

ochidren
-craniopharyngiomas of children: clinico anatomic and radiologic correlations (ab), G. Debrun et al, 85; 781, 1965
-efficacy of radiation therapy in treatment of tumors of
brain and brain stem (ab), Carleton B. Peirce, 85: 193,

-multiple hemangiomas in infant with cardiac hypertrophy: multiple hemangiomas in infant with cardiac hypertrophy;
 postmortem angiographic demonstration of arteriovenous fistulae (ab), Amiel G. Cooper and Robert P. Bolande, 85: 786, 1965
 radiological aspects of Burkitt's tumor (ab), W. Peter Cockshott, 85: 1145, 1965
 rhabdomyosarcomas of head and neck in children: place of radiotherapy (ab), R. Perez-Tamayo and S. Kramer, 85: 193, 1965
 formation of findings in a contraction of the computation of

85: 193, 1965

roentgenologic findings in sacrococcygeal teratoma (ab),
Ole Eklof, 85: 794, 1965

-superior mediastinal syndrome in children with cancer (ab),
Guilio J. D'Angio et al, 85: 1151, 1965

-treatment of angiomas in children (ab), J. Fayos and I.
Lampe, 85: 797, 1965

-unusual benign and malignant sequelae to childhood radiation therapy, including "unilateral hyperlucent lung"
(ab), Walter E. Berdon et al, 85: 1161, 1965

-vena cavagrams in infants and children (ab), James E.
Allen et al, 85: 181, 1965

leiofbromyoma. See Tumors, myoma

See Tum

leiomyoma. See Tumors, myoma lymphoma. See also Hodgkin's Disease; Sarcoma, lympho-

deformity of bladder secondary to pelvic lymphoma, Walter J. Farrell, 85: 898, 1965

- J. Factor, 35, 368, 1090, and urography in evaluation of malignant lymphomas: study of 100 consecutive lymphoma cases (ab), George Schwarz et al, 85: 1143, 1965

-malignant lymphoma in survivors of atomic bomb in Hiro-shima (ab), Robert E. Anderson and Kenzo Ishida, 85: 406, 1965

management and survival of 883 patients with malignant lymphoma (ab), David W. Molander and George T. Pack, 85: 801, 1965 management of pleural effusions and chylothorax in lym-phoma, Robert Bruneau and Philip Rubin, 85: 1085, 1965

-primary lymphoma of lung: appraisal of its natural history and comparison with other localized lymphomas (ab), Anaxagoras N. Papaioannou and William L. Watson, 85: 1151 1665

1151, 1965
-radiation hepatitis (ab), John A. Ingold et al, **85**: 809, 1965
-radiological aspects of Burkitt's tumor (ab), W. Peter
Cockshott, **85**: 1145, 1965
-uses of lymphography, lymphadenography and color lymphadenography in urology (ab), Elwin E. Fraley et al, **85**: 995, 1965

x-ray contamination in total skin electron therapy of lymphoma cutis and exfoliative dermatitis, J. H. Grollman, Jr., Stanley M. Bierman, J. E. Morgan, and Richard E. Ottoman, 85: 356, 1965
medulloblastoma
commosite filter

composite filter technic and special patient jig for treatment of whole brain and spinal cord (ab), D. O. Bottrill et al, 85: 1004, 1965

melanoma
effect of ruby laser radiation on Cloudman S-91 melanoma
in CDBA 2F, hybrid mouse (ab). John Peter Minton
and Alfred S. Ketcham, 85: 608, 1965.
endolymphatic therapy with radioactive gold for malignant
melanoma (ab). G. H. Jantet et al. 85: 197, 1965.
lymphangiography in malignant melanoma: comparison of
clinicopathological and lymphangiographic findings in 21
cases (ab). Charles J. McPeak and Stam G. Constantinides, 85: 788, 1965.
perilymphatic spread of melanoma of foot after lymphography: case report (ab). M. Desmons and H. Ramionl,
85: 389, 1965.
meningioma. See Meninges, tumors

mesenchymoma

primary mesenchymoma of pulmonary artery: radiological features (ab), J. Munk et al. 85: 993, 1965

radiation diation response of diffuse pleural mesothelioma: case report (ab), J. M. Vaeth and T. R. Purcell, 85: 194,

relation between exposure to asbestos and mesothelioma (ab), Irving J. Selikoff et al, 85: 1137, 1965 metastases

calcification in liver metastases from neuroblastoma, Paul Ross, 85: 1074, 1965 malignant extra adrenal pheochromocytoma (ab), Lars R Holsti, 85: 601, 1965

yona multiple pulmonary fibroleiomyomatous hamartomas: re-port of case and review of literature (ab), William D, Logan, Jr. et al. 85: 785, 1965

neuroblastoma
— calcification in liver metastases from neuroblastoma, Paul Ross, 85: 1074, 1965 osteogenic. See Bones, timors; under names of bones

osteoma
— Gardner's syndrome (ab), C. J. B. Muller, 85: 400, 1965
pheochromocytoma. See also Adrenals, tumors
— malignant extra-adrenal pheochromocytoma (ab), Lars R.
Holsti, 85: 601, 1965

polypi — Gardner's syndrome (ab), C. J. B. Muller, 85: 400, 1965

- Gardner's syndrome (ad), C. J. J. J. G. Riccard (April 2014), H. J. G. Bloom. 85: 1153, 1965

Seminoma
retroperitoneal germinomas (seminomas) without evidence
of testicular involvement (ab), M. R. Abell et al, 85:

sticular seminoma: review of 179 patients treated over 50-year period (ab), Leonardo S. J. Martin et al, 85; 1005, 1965 ynovioma. See Synovial Membrane, tumors

synovioma. See Synovial Memorane, state teratoma
—guided catheterization of bronchial arteries. Part III:
Nonmalignant pulmonary and mediastinal pathologic conditions. Manuel Viamonte, Jr., Raymond E. Parks, and William M. Smoak, III, 85: 221, 1965
—roentgenologic findings in sacrococcygeal teratoma (ab), Ole Ekiol, 85: 794, 1965

TUNELL, RAGNAR. See PERSSON, BENGT
—See ROBERTSON, BENGT
TURK, ARTHUR. See PASTORELLE, D. JOSEPH, Jr. TURKAR, A. FRANKLIN, and JACOBSON, GEORGE: Renal arteriovenous fistula following percutaneous renal biopsy, 85: 460, 1965

TURNER, ARCH H., Jr. See TEMPLETON, ARCH W.
—See WILSON, WILLIAM J.
TURNER SYNDROME. See Infantilism

UEDA, HIDEO, KAIHARA, SHIGEKOTO, and IIO, MASA-HIRO: Unusual distribution of pulmonary blood flow between the right and left lung in man: study and application of macroaggregated albumin (MAA) labeled 1141 (II) (ab), 85: 805, 1965

Vol. 85 UEDA, H

ULFELD diag

stuc ultr

UREA

URETE abnor refl fals

obstr cys use physi

reflu dy po

roen surg URET

in

-ur

URET URIN. abn

phy

URIN

chy -1 -1

URO

URQ UTE

5:

65 er

UEDA, HIDEO—coul.

—KITANI, KENICHI, KAMEDA, HARUO, YAMADA, HIDEO, and IIO, MASAHIRO: Detection of portal systemic shunts by hepatopulmonary scanning using 11st MAA: study and application of macroaggregated albumin (MAA) labeled with 11st (111) (ab) 85: 1159, 1965 (ULFELDER, HOWARD. See LITWIN S. BERT

ULTRASOUNDS

—diagnostic value of ultrasonic cardiography (ab), S. Effect
et al. 85: 582, 1965

et al, 85: 582, 1965
-echoencephalography as adjuvant to routine examination
of skull: technics and results, Kenneth D. McGinnis and
Carl J. Zylak, 85: 291, 1965
-studies in ultrasonic echoencephalography. I. A sean
determination of the M-echo position in group of patients
(ab), D. Naldrett White et al, 85: 780, 1965
ultrasound diagnostic technics in obstetrics and gynecology
(ab), E. Stewart Taylor et al, 85: 395, 1965

encephalography with urea (ab), G. Ruggiero et al, 85: 5, 1965 HRETERS

e also Pyelography; Radiobiology; Urinary Tract See also Pyelography; Radiobiology; Urinary Tract abnormalities
—reflux in residual ureter (ab), A. W. Bruce and S. A. Awad, 85: 192, 1965

calculi

false images of bladder tumor (ab), P. Wellens and A. Baert, 85: 597, 1965 obstruction

ruction Stitis glandularis, B. G. Brogdon, M. L. Silbiger, and J. A. C. Colston, Jr., 85: 470, 1965 ses of ymphography, lymphadenography and color lymph-adenography in urology (ab), Elwin E. Fraley et al, 85: 995, 1965

physiology
—dynamics of ileal conduits, John E. Campbell, J. A. Oliver,
and D. E. McKay, 85: 338, 1965 reflux

eflux — clinical and radiological features of urinary infection in childhood (ab), Jean M. Smellic et al, 85: 396, 1965 dynamics of ileal conduits, John E. Campbell, J. A. Oliver, and D. E. McKay, 85: 338, 1965 potential hazard of barium cystography. Armand E. Brodeur, Robert A. Goyer, and William Melick, 85:1080, 1965 reflux in residual ureter (ab), A. W. Pruce and S. A. Awad, 85: 192, 1965.

ureterovesical junction of newborn (ab), Robert Lich, Jr., et al. **85**: 399, 1965 vesicoureteric reflux in paraplegia (ab), M. Damanski, **85**: 1147, 1965

roentgenography. See Pyelography; other s bheads under

surgery

-dynamics of ileal conduits, John E. Campbell, J. A. Oliver, and D. E. McKay, 85: 338, 1965

roentgenography

roenigenography
— improved technic for male urethrocystography (ab), Richard
M. Hyman and George B. Yulis, 85: 797, 1965
URETHROCYSTOGRAPHY. See Bladder, roentgenography;
Urethra, roentgenography
URINARY TRACT

bnormalities
-clinical and radiological features of urinary infection in childhood (ab), Jean M. Smellie et al. 85; 396, 1965
stula. See Fistula fistula.

infection

cection -clinical and radiological features of uninary infection in childhood (ab), Jean M. Smellie et al, 85: 396, 1965 urreterovesical junction of newborn (ab), Robert Lich, Jr., et al, 85: 399, 1965

physiology gastrointestinal absorption, plasma transport, surface distribution, and urinary and fecal excretion of radioactive vitamin B<sub>1</sub>: in iron deficiency (ab), J. D. Cook and L. S. Valberg, 85: 1157, 1965

URINE

-chyluria: lymphangiographic study and review of literature (ab), Jae Key Choi and Hall S. Wiedemer, 85: 590, 1965 -lymphography in chyluria (ab), J. Bernageau et al, 85: 389, 1967

lymphography in patient with unitateral chyluria (ab), Takashi Kishimoto et al, 85: 389, 1965

creatine and creatinine

creatine metabolism after x-irradiation of rats. II. Direct
and indirect effect of radiation (ab), G. B. Gerber et al,
85; 408, 1965

specific gravity

test of renal function: excretion of contrast medium as
measured by urinary specific gravity (ab), Sumner Marshall, 85; 508, 1965

ROGRAPHY. See productions.

UROGRAPHY. See Pyelography URQUHART, W. See ANDERSON, IAN M.

UTERUS cancer. See UTERUS, CANCER effects of irradiation

<sup>31</sup> content in ovarial and other tissues at different times after oral administration (ab), Titus C. Evans et al, 85: 603, 1965 I 181

gangrene

intramural gas in hollow viscera (ab), J. Colquhoun, 85: 797, 1965

pelvic angiography in diagnosis of malignant trophoblastic disease (ab), J. P. de V. Hendrickse et al. 85: 189, 1965 ultrasound diagnostic technics in obstetrics and gynecology (ab), E. Stewart Taylor et al. 85: 393, 1965 roentgenography. See also Pelvis, roentgenography—hysterography after cesarean section (ab), James P. Durkan, 85: 3917, 1965

UTERUS, CANCER See also Gynecology

chorionic. See Cancer, chorionic collateral lymphatics in patients with gynecologic cancer (ab), M. M. Hreshchyshyn and F. R. Sheehan, 85: 796, 1965

W. Climic and N. Rachmaninoff, 85: 801, 1965

W. Cliffic and S. Scholler and Combined therapy combined intra-arterial chemotherapy and radiation treatment for advanced cervical carcinoma: McCall technic and results (ab), J. F. Hulka and H. F. Bisel, 85: 1004.

pelvic lymphadenectomy as adjunct to radiation therapy in treatment for cancer of cervix (ab), Felix N. Rutledge et al. 85: 1152, 1965

diagnosis

galosis early invasive carcinoma of cervix; problem of definition and treatment, Seymour H. Levitt and Philip Rubin, 85: 711, 1965

711, 1965 evaluation of various angiographic methods in study of tumors of female genital organs (ab), R. de Dominicis et al, 85: 1002, 1965

al. 85: 1002, 1965
pelvic angiography in diagnosis of malignant trophoblastic
disease (ab), J. P. de V. Hendrickse et al. 85: 189, 1965
radiocobalt therapy
compression device for telecobalt therapy of pelvis (ab),
Hermann Kapp-Schwoerer, 85: 195, 1965

Hermann Kapp State Hermann Kapp State Hermann Kapp State Hermann Herma

Priscilla Gibbs, 85: 361, 1965 computer estimation of dosage of interstitial and intra-cavitary implants, W. E. Powers, C. R. Bogardus, Jr., William White and Tom Gallagher, 85: 135, 1965

William White and Tom Gallagher, 85: 155, 1965 fever as complication of radiation therapy for caveinoma of cervix (ab), Martin Van Herik, 85: 802, 1965 intralymphatic radioactive therapy for pelvic cancer (ab), Peter Siegel and Edwin J. Liebner, 85: 805, 1965 pelvic lymphadenectomy as adjunct to radiation therapy in treatment for cancer of cervix (ab), Felix N. Rutledge et al. 15: 1159, 1665.

reatment for cancer of cervix (ab), renx 8. Ruttenge et al, 85: 1152, 1965 radiation therapy for cancer of cervix: its late effect on life span as function of regional dose (ab). Henry I. Kohn et al, 85: 1152, 1965

radical hysterectomy versus radiotherapy in Stage I cervical cancer: preliminary results (ab), Michael Newton et al, 85: 194, 1965

treatment of carcinoma of cervix (ab), M. Lederman, 85: 195, 1965

radium therapy. See also Uterus, Cancer, radiotherapy anesthetists' exposure to radiation during radium implanta-tion procedures (ab), Howard A. Trachtenberg and Eliot M. Slater, 85: 1161, 1965 treatment of carcinoma of cervix (ab), M. Lederman, 85: 195, 1965

roentgen therapy. See Uterus, Cancer, radiotherapy

surgical therapy
—radical hysterectomy versus radiotherapy in Stage I cervical
cancer: preliminary results (ab), Michael Newton et al,
85: 194, 1965

therapy
—early invasive carcinoma of cervix: problem of definition
and treatment, Seymour H. Levitt and Philip Rubin, 85:
711, 1965

VAETH, J. M., and PURCELL, T. R.: Radiation response of diffuse pleural mesothelioma: case report (ab), 85: 194, 1965

VAGINA See also Gynecology

cancer

intralymphatic radioactive therapy for pelvic cancer (ab), Peter Siegel and Edwin J. Liebner, 85: 805, 1965

intramural gas in hollow viscera (ab), I. Colquhoun, 85: 797,

1965
VAHLENSIECK, W., and MAURER, H.-J.: Is renal artery stenosis a causal factor for urinary calculi? (ab), 85: I148, 1965
VALBERG, L. S.
VALLION, R. M. See SHOPFNER, CHARLES E.
VALVASSORI, GALDINO E., and PIERCE, ROBERT H.: The normal internal auditory canal (ab), 85: 578, 1965
VALVE, MITRAL. See Mitral Valve
VALVE, TRICUSPID. See Tricuspid Valve
VALVE, TRICUSPID. See Tricuspid Valve
Van de BERG, A. See DJIAN, A.

VANDENBERG, RUSSELL, DONNELLY, GEORGE L., Mac-LEOD, K. W., and MONK, IAN: Aneurysm of the right ventricle caused by selective angiocardiography ight

right ventricle caused by selective angiocardiography (ab), 85: 584, 1965

VANDERVELDE, GERALD M., and CARLSON, HARLEY C.: Esophageal reflux (ab), 85: 391, 1965

Van der WERF-MESSING, B.: Treatment of carcinoma of the bladder with radium (ab), 85: 802, 1965

VAN DYKE, DONALD C., ANGER, HAL O., and POLLYCOVE, MYRON: Effect of crythropoictic stimulation on marrow distribution in man, rabbit and rat as shown by Fe<sup>50</sup> and Fe<sup>52</sup> (ab), 85: 197, 1995

VAN HERIK, MARTIN: Fever as a complication of radiation therapy for carcinoma of the cervix (ab), 85: 802, 1965

VANHOUTTE, JOHN J. See BAGHDASSARIAN, OLGA M. Van VAERENBERG, P. M., and SCHELSTRAETE, K.: Indications for high-speed electron therapy (ab), 85: 403, 1965

VARADARAJAN, M. G., and RAMAMURTHI, B.: Assessment of normal physiological intracranial calcification occurring in Indian subjects (ab), 85: 578, 1965
VARCO, RICHARD L. See GRONDIN, CLAUDE
VAREY, J.F. See VAUGHAN, B.F.
VARICELLA. See Chickenpox
VASA VASORUM. See Aorta
VASILIERA, V. V., LAKIN, K. M., and SERGEEV, P. V.:
Investigation of the coronary circulation in combined use
of contrast substances and anticoagulants (ab), 85: 386,

VATER'S AMPULLA

cannulation of ampulla of Vater for direct cholanging raphy and pancreatography: preliminary report of new method, Keith R. Rabinov and Morris Simon, 85: 693,

VAUGHAN, B. F., and VAREY, J. F.: Lymphographic appearances of malignant pelvic lymph node involvement (ab), 855: 181, 1965

VEINS

See also Angiography; Cardiovascular System; Embolism; Extremities, blood supply; Radiobiology; Venae Cavae; etc.

basal

-venous angiogram: frequently overlooked phase of carotid angiography (ab), Hillier L. Baker, Jr., 85: 174, 1965
cerebral. See also Aneurysm

-venous angiogram: frequently overlooked phase of carotid angiography (ab), Hillier L. Baker, Jr., 85: 174, 1965
fistula. See Fistula
Galen's. See Aneurysm, cerebral

epatic -capnohepatography: intravenous retrograde gas angiog-raphy of liver veins with carbon dioxide, Karl T. Dockray, Robert R. Burns, and John Moore, 85: 740, 1965.-hepatic outflow occlusion during hepatic artery infusion with chemotherapeutic agents (ab), Louis M. Rousselot et al, 85: 787, 1965

innominate

-total anomalous pulmonary venous drainage into left in-nominate vein associated with transposition of great vessels (ab), William Whitaker et al, 85: 584, 1965

vessets (ab), White medullary
—veins of white matter of cerebral hemispheres (medullary veins): diagnostic importance in carotid angiography (ab), Yun Peng Huang and Bernard S. Wolf, 85: 174.

mesenteric.

See Portal Vein

pulmonary

angiocardiographic feature of total anomalous venous return

angiocardiographic feature of total anomalous venous return into coronary sinus simulating tricuspid atresia or stenosis (ab), A. Mehrizi et al, 85: 586, 1965
 large apper lobe veins (ab), C. G. Anderson, 85: 180, 1965
 lettenic of transseptal catheterization of left atrium, pulmonary veins, and left ventricle in dog, K. Ostergaard Petersen, G. Harrington, Nils Magnus Ohlsson, Guido Ascanio, and M. J. Oppenheimer, 85: 658, 1965
 total anomalous pulmonary venous drainage into left innominate vein associated with transposition of great vessels (ab). William Whitaker et al, 85: 584, 1965
 renal. See also Fistula
 pharmacoangiographic method for improving nephrophle-bography. Tord B. Olin and Stewart R. Reuter, 85: 1036, 1965
 splanchnic. See Abdomen, blood supply

splanchnic. See Abdomen, blood supply splenic. See Portal Vein

splenic. See P thalamostriate

venous angiogram: frequently overlooked phase of carotid angiography (ab), Hillier L. Baker, Jr., 85: 174, 1965 -venous angiogram: trequently overlooked phase of carotid angiography (ab), Hillier L. Baker, Jr., 85: 174, 1965
VENABLE, JOHN R., FLAKE, RAYMOND E., and KILIAN, DUANE J.: Stress fracture of the spinous process (ab), 83: 595, 1965
VENABLES, A. W.: Syndrome of pulmonary stenois complicating maternal rubella (ab), 85: 993, 1965
VENAE CAVAE

MAE CAVAE
-arteriovenography of portal system (ab), Louis Kreel and
Roger Williams, 85: 588, 1965
-spiral movements of blood streams from venae cavae into
right auricular appendage: angiographic demonstration
of dynamic function of right auricular appendage (ab),
G. F. Garusi, 85: 588, 1965

abnormalities. See other subheads under Venae Cavae

sence of inferior vena cava. Robert D. Milledge, 85: 860,

See Fistula, lymphaticovenous

obstruction

lownhill" varices of esophagus (ab), Benjamin Felson and Alfred P. Lessure, **85**: 590, 1965 esophageal varices in superior vena caval obstruction (ab). Donald L. Otto and Raymond S. Kurtzman, 85: 388.

1965

-idiopathic fibrosis of mediastinum as cause of superior vena
caval syndrome, Kjell F. Hansen, 85: 433, 1965

-inferior vena cava obstruction: clinical manifestations,
diagnostic methods, and related problems (ab), Morris E.
Missal et al, 85: 994, 1995

roentgenography. See also other subheads under Venae

-lymphography, cavography, and urography in evaluation of malignant lymphomas: study of 100 consecutive lymphoma cases (ab), George Schwarz et al, 85: 1143, 1965

na cavagrams in infants and children (ab), James E. Allen et al, 85: 181, 1965

thrombosis. See Thrombosis caval VENTRICLE. See Heart

VENTRICLE. See Hearnows Can. AMOS
VERCO, P. W. Placental localization: survey of 275 patients
(ab), 85: 190, 1965
VERJAAL, A., and HARDER, N. C.: Backward luxation of the

VERJAL, A., and HARDER, N. C.: Backward luxation of the atlas: report of a case (ab), 85: 1136, 1965
VERMES, EDMUND. See ZIZMOR, JUDAH
VIAMONTE, MANUEL, Jr., GOSSELIN, ARTHUR J., and SOMMER, LEONARD S.: Coronary arteriography:

some observations on technique and interpretation (ab)

85: 179, 1965

PARKS, RAYMOND E., and SMOAK, WILLIAM M.,
III: Guided catheterization of the bronchial arteries.
Part I: Technical considerations, 85: 205, 1965

Guided catheterization of the bronchial arteries.
Part II:
P.-dmonary and meniastinal neoplasms, 85: 214, 1965

Guided catheterization of the bronchial arteries.
Part III:

Nonmalignant pulmonary and mediastinal pathologic conditions, 85: 221, 1965

conditions, 85: 221, 1965
VIDAL, B. See ROSSI, P.
VILANDELL, FRANCISCO. See STEIN, GEORGE N.
VILJANEN, VEIKKO. See KÖHLER, ROLF
VINCE, DENNIS J.: Medical radiation to children with congenital heart disease (ab), 85: 606, 1965
VINCENT, J. See EECKELS, R.
VISCERA

-cautopsy control studies on visceral distribution of radio active Lipiodol injected in lymphatic system (ab), C Fava and L. Roncoroni, 85: 198, 1965 transposition

dextrocardia and isolated levocardia. 1. Isolated levo-cardia (ab), Maurice Campbell and D. C. Deuchar, 85: 988, 1965

VISION. See Hemianopia VITAL CAPACITY

—pulmonary function in ankylosing spondylitis (ab), John M. Miller and Brian J. Sproule, 85: 177, 1965 VITAMINS

chronic vitamin A intoxication during first half year of life: description of 5 cases (ab), Bengt Persson et al, 85: 792, 1965

detection of intestinal absorption of Co<sup>57</sup> tagged vitamin B<sub>12</sub> by serum counting (ab), Paul R, McCurdy, **85**: 1007, 1965

1965

-gastrointestinal absorption, plasma transport, surface distribution, and urinary and fecal excretion of radioactive vitamin B<sub>12</sub> in iron deficiency (ab), J. D. Cook and L. S. Valberg, 85: 1137, 1965

-site of absorption of Co<sup>26</sup>-labeled vitamin B<sub>12</sub> in man: investigation made by intestinal intubation with polyethylene glycol as marker substance (ab), Vagn Rønnov-Jessen and Jacob Hansen, 85: 1007, 1965

VIX, VERNON A.: Urographic demonstration of renal medulary necrosis in hemoglobin SA and SC disease, 85: 320, VOICE

VOICE

cent cinefluorographic advances in palatopharyngeal roentgenography (ab), Robert F. Sloan et al, 85: 380, 1965

OLEJNÍK, J. See ROČEK, V.
OOG, R., DUFOUR, H., and GRANDMAISON, L.: Pseudo-tuberculous pulmonary syphilis: report of a case with radiologic evidence of healing (ab), 85: 784, 1965

VULTERINOVÁ, M. See PIRK, F. VULVA

See also Gynecology

collateral lymphatics in patients with gynecologic cancer (ab), M. M. Hreshchyshyn and F. R. Sheehan, 85: 796, 1965

indications for high-speed electron therapy (ab), P. M. Van Vaerenbergh and K. Schelstraete, **85**: 403, 1965 -intralymphatic radioactive therapy for pelvic cancer (ab), Peter Siegel and Edwin J. Liebner, **85**: **80**5, 1965

WACE WALI WALI WALI WALI

Vol. 87

WALT

WAR

WAR me

> WAT WAT WAT

> > WEE WE

WEI WEI WEI

WE

WE

WE

WE WE WE WE

WI

W

50,

nd

na

WACKENHEIM, A. See GROS, Ch. M.
WACKENHEIM, A. See GROS, Ch. M.
WACKEN, HENRY N., Jr. See McAFEE, J. G.
—See SABISTON, DAVID C., Jr.
WALDMAN, IRVIN. See CURRARINO, GUIDO
WALKER, LEWIS A. See GERLE, RICHARD D.
WALLACE, S. See FRAIMOW, W.
WALLACH, STANLEY, BELLAVIA, JOSEPHINE V.,
SCHORR, JACK, and REIZENSTEIN, DAVID L.: Tissue
distribution of electrolytes, Cat<sup>3</sup>, and Mg<sup>28</sup> in acute hypercalcemia (ab), 85: 196, 1965
WAITER, KENNETH E. See MUDD, J. GERARD
WANGE, KENNETH E. See MUDD, J. GERARD
WANGE, ANDERS G., and DELLER, DONALD J.: Intestinal motility in man. II. The behavior of the small
intestine following partial gastrectomy with particular
reference to the dumping syndrome (ab), 85: 789, 1965
Intestinal motility in Man. III. Mechanisms of constipation and diarrhea with particular reference to the irritable
colon syndrome (ab), 85: 789, 1965

—See DELLER, DONALD J.
WARD, ROBERTSON, LINDSAY, STUART, SHELINE,
GLENN E., and GOLDMAN, LEON: Tumors of the
thyroid and parathyroid glands (ab), 85: 580, 1965
WARNER, NANCY E. See HARPER, PAUL V.
WARTER, J., KEMPF, F., and TEMPE, J. D.: Osseous lesions
in acute pancreatitis (ab), 85: 789, 1995
WATCHI, J. M. See ANTOINE, B.
WATKINSON, D. ANNE. See CATER, DONALD B.

metabolism

metabolism
—protective action of AET upon sodium and water balance in
n so-called gastrointestinal radiation syndrome (ab),
Zoltan B. Zsebök and Gyözö Petrinyi, Jr., 85: 203, 1965
WATSON, DAVID A. See WHITAKER, WILLIAM
WATSON, GEOFFREY H.: The diagnosis of corrected transposition of the great vessels (ab), 85: 385, 1965
WATSON, L. See DENT, C. E.
WATSON, WILLIAM L. See PAPAIOANNOU, ANAXAGORAS
N

WATSON, WILLIAM L. See PARACUS. R.

WATT, J. See MARCUS, R.
WATTS, F. C. See WITCOFSKI, R. L.
WAX, SANDOR H., and McDONALD, DONALD F.: Quantitative analysis of the I-131 sodium o-iodohippurate renogram in hypertensive patients (ab), 85: 404, 1965
WEBBER, MILO M.: Scintiscanning with low-energy photon emitters, 85: 116, 1965
WEBBER, A. See DELAHAYE, R. P.
—See GARRETA, L.
WEBSTER, E. W., and WIPFELDER, R.: Contrast and detail perception in television and ciné systems for medical fluoroscopy (ab), 85: 192, 1965
WEBSTER, JOHN H. See MARTIN, LEONARDO S. J.
WEDGES. See Angiography
WEDGES. See Angiography
STEPHEN. See GERLE, RICHARD D.

WEBSTER, JOHN H. See MARIIII, WEDGES. See Angiography
WEDNS, H. STEPHEN. See GERLE, RICHARD D.
—See NORTH, LUCEIL B.
WEIDNER, WILLIAM, MacALPIN, REX, HANAFEE, WILLIAM, and KATTUS, ALBERT: Percutaneous transaxillary selective coronary angiography, 85: 652, 1965

axillary selective corona
See ROSEN, LAWRENCE
WEIGHT-BEARING

weight-Beaking
—growth and development of vertebral body in presence and
absence of normal stress (ab), Charles A. Gooding and
E. B. D. Neuhauser, 85: 1000, 1965
—influence of weight-bearing on lumbar spine: radiological
study (ab), L. M. Jonck, 85: 394, 1965
WEIJER, D. L.: Beta radiation from radioactive iodine (I<sup>131</sup>)—
measurement of one hundred human ovaries (ab), 85:
603-1065.

WEILAND, PER-OLOF. See BOIJSEN, ERIK

WEILAND, PER-OLOF. See BOIJSEN, ERIK
WEILL-LÉRI SYNDROME. See Bones, growth
WEISS, WILLIAM. See BOUCOT, KATHARINE R.
WEISSLEDER, H.: Retroperitoneal lymph-node changes in
Hodgkin's disease (ab), 85: 400, 1965.
WEITZMAN, GERALD. See BUNDENS, WARNER D., Jr.
WELLAUER, J. See RÜTTIMANN, A.
WELLENS, P., and BAERT, A.: False images of bladder
tumor (ab), 85: 597, 1965.
WELLS, JOSEPHINE. See HYMAN, GEORGE A.
WENDE, S., and TAENZER, V.: Technic and value of percutaneous transbrachial cerebral angiography (ab), 85:
983, 1965

WESTOVER, JOSEPH L. See SLOAN ROBERT F.
WETTLAUFER, JOHN N. See JOHNSTON, GERALD S.
WEXLER, LEWIS, and ABRAMS, HERBERT L.: Hamartoma of the spleen: angiographic observations (ab), 85:
399, 1995

399, 1965

WEYLMAN, WALTER T. Sec JANOWER, MURRAY L. WHALEN, LORRAINE. Sec DONOVAN, JOHN C. WHITAKER, JOANNE. Sec CHAMBERLAIN, DONALD S. WHITAKER, WILLIAM, WATSON, DAVID A., and KEATES, PHILIP G.: Total anomalous pulmonary venous drainage into the left innominate vein associated with transposition of the great vessels (ab). 85: 584, 1965

WHITE, D. NALDRETT, CHESEBROUGH, J. N., and BLANCHARD, J. B. Studies in ultrasonic echoencephalography. 1. A-scan determination of the M-echo position in a group of patients (ab). 85: 780, 1965

WHITE, WILLIAM. Sec POWERS, W. E.

WHITELEATHER, JOHN E., and KEIRNS, M. M.: Observations on variable relationship of carotid and vertebral circulation (ab), 85: 175, 1965
WHITNEY, DOUGLASS G. See SZILAGYI, D. EMERICK WICKBOM, I. See HÄGGENDAL, E.
WIEDEMER, HALL S. See CHOI, JAE KEY
WIENER, STEPHEN N. See SHAFRON, MELVIN
WILLIAMS, ROGER. See KREEL, LOUIS
WILLMAN, VALLEEL. See MUDD, J. GERARD
WILSON, C. W.: Effect of a single 2,000 R exposure of x rays upon the uptake of <sup>30</sup>S by the mouse knee joint (ab), 85: 408, 1965
WILSON, FRANK F. See HABER, SEYMOUR
WILSON, STUART D. See AMBERG, JOHN R.
WILSON, WILLIAM J., TEMPLETON, ARCH W., TURNER, ARCH H., Jr., and LODWICK, GWILYM S.: The computer analysis and diagnosis of gastric ulcers, 85: 1064, 1965 1064, 1965

——See ROSS, GILBERT Jr.

WILSON-MIKITY SYNDROME. See Infants, Newborn
WINDSOR, COLIN W. O.: Gastro-oesophageal reflux after
partial gastrectomy (ab), 85: 391, 1965
WIPFELDER, R. See WEBSTER, E. W.
WISOFF, H. See ZINGESSER, L. H.
WITCOFSKI, R. L., WATTS, F. C., ENGSTROM, L. L., and
BLACKWELL, C. E.: Gamma-ray evaluation of diagnostic shielding barriers, 85: 1123, 1965
WOHL, GEORGE T., mod.: Bone Tumor Seminar, Radiological
Society of North America, 1965, 85: (Pt. 2, Oct.), 1965
WOLF, BERNARD S. See HUNNG, YUN PENG
—See RABINOWITZ, JACK G.

WOLFE, R. C., and BOWMAN, R. E.: Adrenal function in
rhesus monkey after total-body x-irradiation (ab), 85:
203, 1965

WOLFERTH, C. C., Jr. See BRADY, LUTHER W. WOLLSCHLAEGER, GERTRAUD, and WOLLSCHLAEGER, PAUL B.: Primitive trigeminal artery as seen angiographically and at postmortem examination (ab), 85:

See WOLLSCHLAEGER, PAUL B.
WOLLSCHLAEGER, PAUL B., and WOLLSCHLAEGER, GERTRAUD: The interhemispheric subdural or falx hematoma (ab), 85: 577, 1965
—See WOLLSCHLAEGER, GERTRAUD:
—See WOLLSCHLAEGER, GERTRAUD:
MOLPERT, S. M.: Variation in kidney length during the intravenous pyelogram (ab), 85: 1003, 1965
WOOD, ERNEST H.: Thermography in the diagnosis of cerebrovascular disease, 85: 270, 1965
WOOD, ROBERT W. See BROWN, OWEN L.
WOODHALL, BARNES: Government, medicine and the common weal (ab), 85: 171, 1965
WOODRUFF, C. EUGENE, and STEININGER, WILBUR J.: Intrathoracic squamous cell carcinoma, central and peripheral (ab), 85: 1138, 1965.

eral (ab), 85: 1138, 1965 WOODRUFF, MARVIN W. See MARTIN, LEONARDO,

S. J.
WOOLFREY, BERTRAM F. See MESKIN, LAWRENCE H.
WORK IN PROGRESS
Blood-pool scanning with technetium-99m human serum
albumin, Frederick J. Bonte and Thomas S. Curry, III.
85: 1120, 1965

Capnohepatography: intravenous retrograde gas angiography of liver veins with carbon dioxide. Karl T. Dockray, Robert R. Burns, and John Moore, 85: 740, 1965. Detection of cartilaginous tumors with selenium 75, J. Esteban, D. Lasa and S. Perez-Modrego, 85: 149, 1965.

Dual lung-scanning technic for evaluation of pulmonary function, George V. Taplin and Norman D. Poe, 85: 365, 1965

1965
Gamma-ray evaluation of diagnostic shielding barriers, R. L.
Witcofski, F. C. Watts, L. L. Engstrom, and C. E.
Blackwell, 85: 1123, 1965
New method of percutaneous catheterization, Donald T.
Desilets and Richard Hoffman, 85: 147, 1965
Radiographic visualization of substernal lymph nodes, P.
Ruben Koehler, 85: 565, 1965
Revised average geometric factors for cylinders in isotope
dosage. Part I, Elizabeth F. Focht, Edith H. Quimby
and Martin Gershowitz, 85: 151, 1965
Split-dose intensive radiation therapy in treatment of patients
with advanced carcinoma of lung, Seymour H. Levitt,
Paul T. Condit, and Carl R. Bogardus, Jr. 85: 738, 1965.

WRIST abnormalities

onormanues
-dyschondrostéose (Léri-Weill syndrome): congenital short
forearms, Madelung-type wrist deformities, and moderate
dwarfism, Walter E. Berdon, Herman Grossman, and
David H. Baker, 85: 677, 1965 roentgenography

roentgenography
 roentgen appearance of hand and wrist in gonadal dysgenesis (ab), Jerzy Kosowicz, 85: 999, 1965
 WYLIE, E. J. See PALUBINSKAS, A. J.

XANTHOMA

unilateral chylous lymphedema and xanthomatosis: study of factors governing flow of intestinal lymph (ab), R. B. Goldrick and E. H. Ahrens, Jr., 85: 182, 1965

XENON radioactive. See Radioxenon XEROGRAPHY. See Roentgen Rays, technic

YAGHMAI, MADJID. See BERANBAUM, SAMUEL L. YAMADA, HIDEO. See UEDA, HIDEO
YAMAMOTO, S., and REYNOLDS, T. B.: Portal venography and pressure measurement at peritoneoscopy (ab), 85: 588, 1965.
YANO, Y. See ANGER, HAL O.
YOUNG, ALLAN. See HALLS, J.
YOUNG, BRUCE, and SAMUEL, ERIC: Large solitary cystic lesions of the breast (ab), 85: 581, 1965.
YOUNG, DUANE A. See STEINBACH, HOWARD L.
YOUNG, RAYMOND J.: Application of thermography to problem of placental localization: preliminary communication (ab), 85: 189, 1965.
YTTRIUM
radioactive. See Radioyttrium

YTTRIUM radioactive. See Radioyttrium YUEN, K., and BATHO, H. F.: Physical factors relating to details in a radiograph (ab). 85: 600, 1965
YULIS, GEORGE B. See HYMAN, RICHARD M.

IS JOSÉ, LONGO, PEDRO H., and CRUZ, OSWALDO RICCIARDI: Intrathoracic hyperpressure in neuroradiology: results in 1) cerebral pan-angiography and 2) arteriography of the thoracocervical region (ab), 85: 576,

ZAMECNIK, JIRI. See ASHTON, THOMAS ZATZICK, MICHAEL R. See FRIEDLAND, STEPHEN S. ZBORALSKE, F. FRANK. See AMBERG, JOHN R. ZELEN, MARVIN. See MINTON JOHN PETER

ZIM, IRWIN D., and TEMPLETON, ARCH W.: Anomalous antecubital bone of the elbow (ab), 85: 999, 1965
—See TEMPLETON, ARCH W.
ZIMMERMAN, HAROLD. See MOSKOWITZ, MYRON ZINC

metabolism

metabolism —metabolism of zinc 65 in man (ab), Herta Spencer et al, 85: 1160, 1965
radioactive. See Radiozinc
ZINGESSER, L. H. SCHECHTER, M. M., GONATAS, N.,
LEVY, A., and WISOFF, H.: Agenesis of the corpus
callosum associated with an interhemispheric arachnoid
cyst (ab), 85: 576, 1965
—See SCHECHTER, M. M.
ZIPPIN, CALVIN. See KOHN, HENRY I.
ZIZMOR, JUDAH, NOYEK, ARNOLD M., BELLUCCI,
RICHARD J., GUTKIN, MORTON L., and VERMES,
EDMUND: Preoperative diagnosis of brain abscess by
roentgenologic demonstration of air-fluid level: report of
2 cases (ab), 85: 172, 1965
ZOLLE, I. See McAFEE, J. G.
ZOLLINGER-ELLISON SYNDROME. See Peptic Ulcer
ZUCKERKANDL'S ORGAN. See Abdomen. tumors
ZSEBÖK, ZOLTAN B., and PETRANYI, GYÖZÖ, Jr.: Protective action of AET upon sodium and water belance in a
so-called gastrointestinal radiation syndrome (ab), 85:
Changes in electrolyte balance in gastrointestinal syndrome

203, 1965
Changes in electrolyte balance in gastrointestinal syndrome (ab), 85: 204, 1965
ZUCKERMAN, SOLLY: The sensitivity of the gonads to radiation (ab), 85: 808, 1965
ZWEIFACH, BENJAMIN W., and KIVY-ROSENBERG, EVELYN: Microcirculary effects of whole-body x-irradiation and radiomimetic procedures (ab), 85: 1162, 1965
ZWETNOW, N. See HÄGGENDAL, E. ZYLAK, CARL J. See McGINNIS, KENNETH D.

